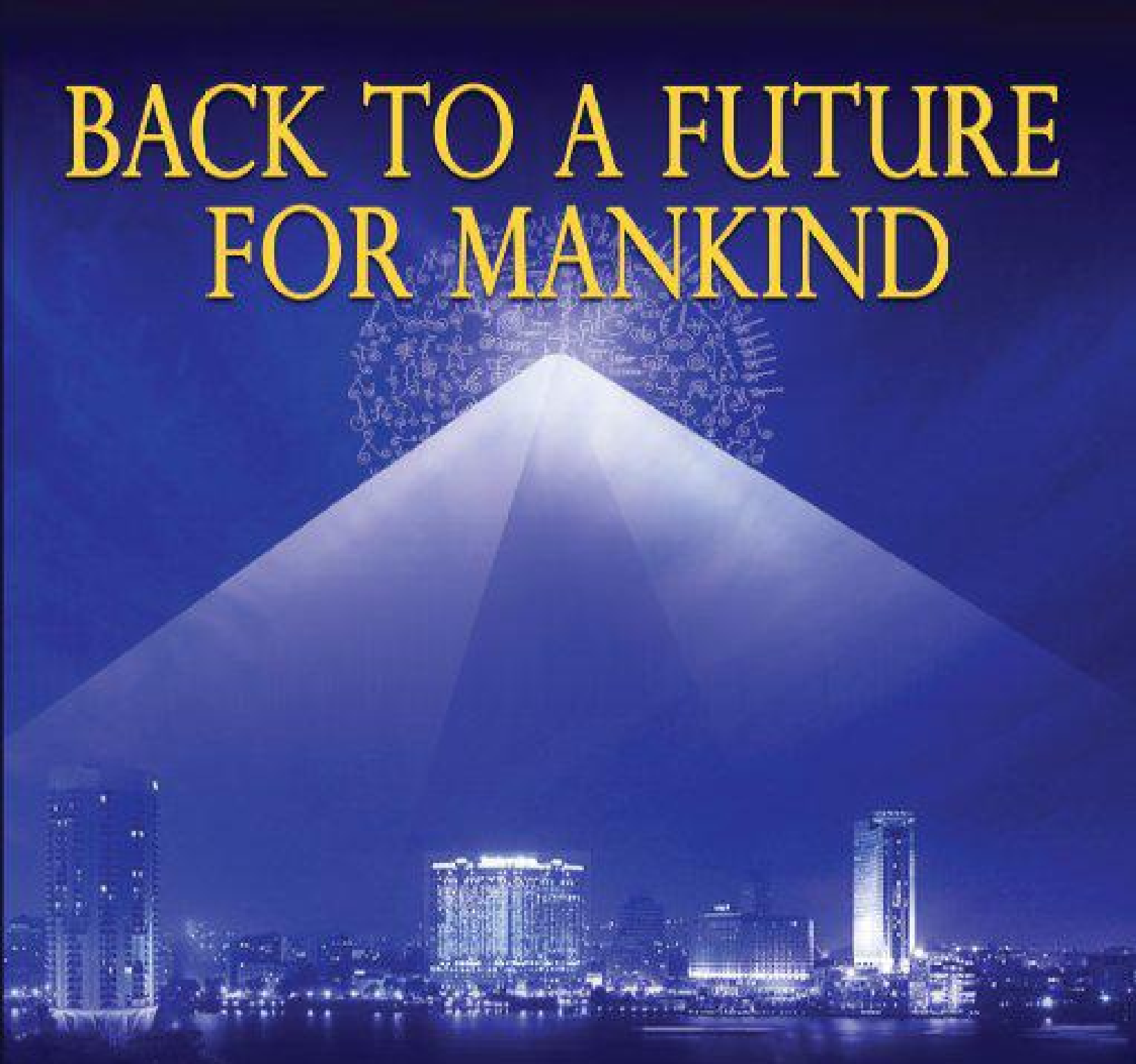
BACK TO A FUTURE FOR MANKIND

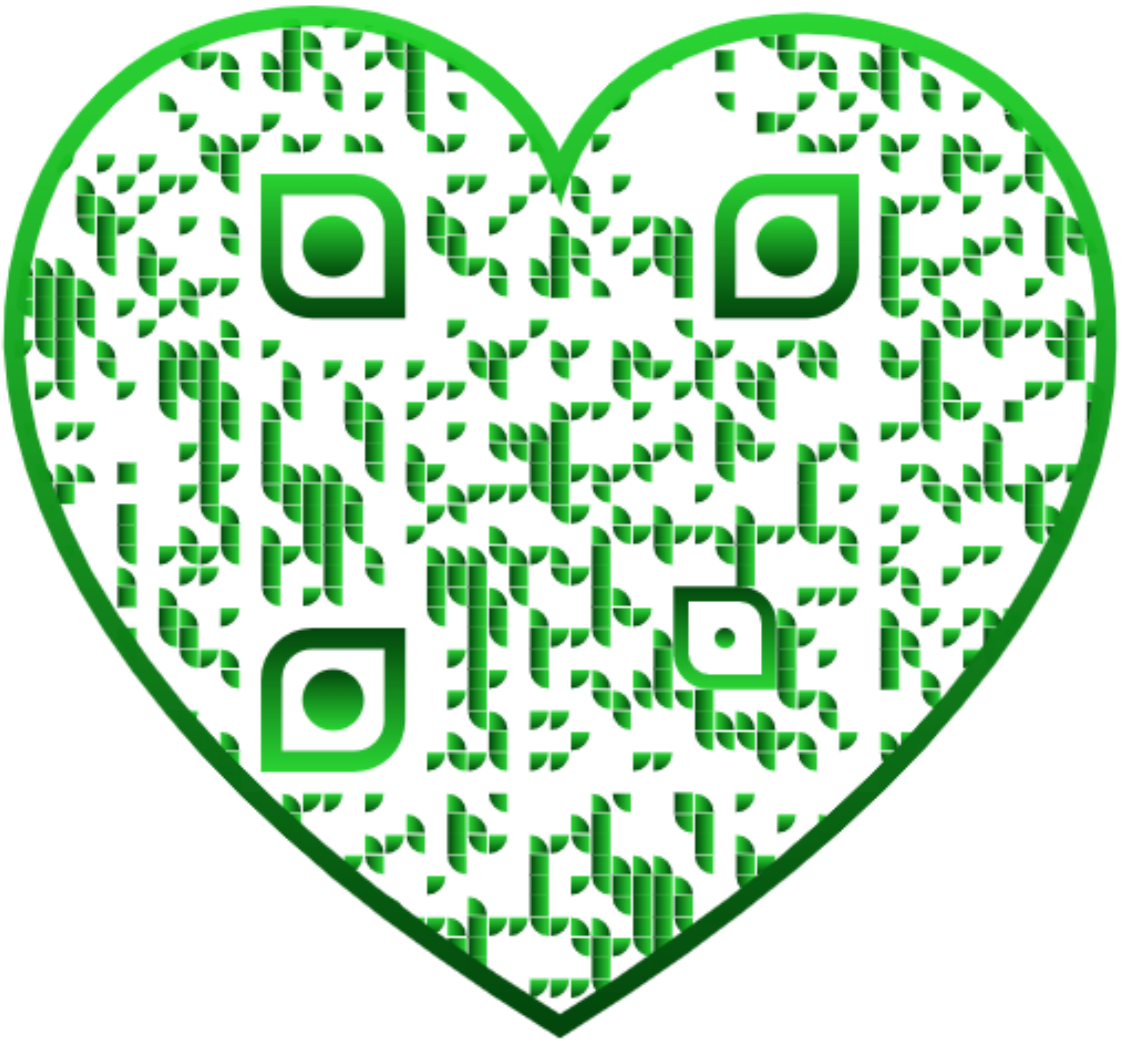


BIOGEOMETRY®

SOLUTIONS TO THE GLOBAL ENVIRONMENTAL CRISIS

NEW ENERGY SECRETS OF ANCIENT EGYPT AND THE GREAT PYRAMID REVEALED

IBRAHIM KARIM, Ph.D., Dr.Sc.



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This book is written in a way that accesses a universal innate knowledge; it is multi-layered and can lend itself to different perspectives. It could be a light read, with the technical or scientific concepts playing a supporting role, or one can choose to bring those concepts to the forefront and build the reading experience around them. These approaches are distinct, yet complementary, and the book offers "a little bit of this and a little bit of that."

BACK TO A FUTURE FOR MANKIND

BioGeometry®

Solutions to the Global Environmental Crisis
New Energy Secrets of Ancient Egypt and the Great Pyramid Revealed

IBRAHIM KARIM, PhD, Dr. Sc.
Founder of BioGeometry

Note to the Reader

This book is a collection of topics that provide a deeper insight into the worldview of BioGeometry from a different perspective than that in the teaching of BioGeometry. The topics have been selected from different lectures and meetings and arranged to give a certain structure and flow whenever possible.

A collection of topics will never have the coherence of a book, which is not intended in this case, but they will still convey the worldview of BioGeometry. Most of these topics take a look at different aspects of Ancient Egypt through the eyes of BioGeometry to bring out relevant wisdom to our modern way of life. The initial topics were based on a transcript of a seminar in Holland, to which other topics from later general lectures were added to give a complete picture of the BioGeometry way of thinking.

I had given some lectures in Egypt to a Dutch group that visited us and who then went on to become the first group of BioGeometry students in Holland. This group of people who had by now attended our BioGeometry courses wanted to spend time with me to elaborate on some of the things we dealt with in their last visit to Egypt that were not part of our seminars. We arranged to spend the weekend in the serenity of an old monastery in Neijmegen that had been transformed into a conference center. This interaction created a certain energetic atmosphere that promoted an activation of what is referred to as right-brain consciousness, a state which is very important for an overview of holistic relationships behind everyday interactions.

It is difficult to try to recreate this atmosphere in a book. If we do too much editing to have it in the proper literary form of a book, we might lose a lot of the energy quality. Our goal is difficult. We have to be content with a compromise between literary excellence, which would have needed a completely new book, and keeping the atmosphere of the meeting such that the latter, hopefully, can still be felt as a stimulus to the intuitive part of the reader’s brain. We therefore kept the restructuring of the topics to a minimum to reflect the spontaneity of the interaction. In order however, to provide a holistic view of BioGeometry, some important additions had to be made:

- An introduction to give an overview and mission of the book.
- An entry from Dr. Karim's journal describing the long journey of knowledge of the 'Three Friends along the Way'.
- An introduction to the ancient links between Architecture, Earth Radiation, and Sacred Power Spots.
- A new energy-based theory of the Great Pyramid in Egypt as an introduction to a new way of understanding new aspects of Ancient Egyptian monuments.
- Qualitative Harmonics as part of the BioGeometry design Language.
- An Overview of the BioGeometry Design Language.
- Excerpts from the official report on the Hemberg Project in Switzerland.
- An introduction to BioSignatures.
- BioGeometry: Knowledge & Application.

A collection of pictures is included to illustrate several different aspects of BioGeometry.

The choice of language for a science of qualities that bridges the gap between science and spirituality is very difficult, because it should follow a scientific way of thinking while dealing with qualitative interactions that are experienced by everybody in their everyday life. The scientific language that we use academically in post-graduate studies of BioGeometry would be completely out of place in an introductory book about the subject for the general public. This book is written in a simple language, which is usually the way we deal with BioGeometry in our non-academic seminars and television programs.

For more information about our work please visit our official website.

www.biogeometry.com

Biography

What started as an occasional gathering of friends grew over twenty years into a weekly pivot in the lives of many people of different ages, religions, professions, social backgrounds and nationalities. Dr. Ibrahim Karim gave unstructured lectures and held dialogues on many subjects following what he calls the BioGeometrical Way, which is a holistic approach towards a new and expanded world view that is both spiritual and scientific. In his words, "to be truly holistic it must incorporate anything and everything."

Ibrahim, an architect by profession, graduated from the renowned F.I.T. Zurich, Switzerland. He later obtained Dr. Sc. degree in tourist planning. He occasionally teaches as visiting professor of architecture at several universities. Dr. Karim owns the Alemara Consulting House, an Architecture firm founded by his father Dr. Sayed Karim in the l930's, who is the main pioneer of modern architecture in the Middle East.

While Ibrahim was still a postgraduate student, in Switzerland, a chance meeting with Dr. Mahmoud Mahfouz led to an intellectual, philosophical conversation on hospital design and other topics. Dr. Mahfouz, who later became Minister of Health, appointed him as the youngest consultant in the Egyptian government, in order to bring innovative thinking to his ministry. Dr. Karim worked in integrated health planning, developed new design concepts of flexibility and expansion for health projects and worked in the USAID project of Urban Health Development. In 1976 he was a consultant to Dubai's ministry of health. He is a member of the British Royal Society Of Health and founding member of the Imhotep society for scientific research in the alternative sciences in Egypt. In 1982, Dr. Karim was consultant to the Minister of culture, the late Mohammed Radwan. There he generated the initial concept for the new Museum of Civilization for which the international appeal for funding was launched by UNESCO. Later on as consultant to the Minister of Tourism in 1985, he did the first tourist planning for the Red Sea and Western Sinai coastal areas. As a consultant to the Minister of Scientific Research in 1990, he was the principal investigator of the environmental pilot project on the Mahmoudiya Canal in Alexandria, and headed a unit at the National Research Center, to research the effect of geometrical shapes on biological functions. He patented the first BioGeometry shapes in 1992. Others followed. He received an award at the international congress for

inventors in 1998. His work as an architect includes several hospitals, residential, scientific projects, and tourist resorts on the Red Sea.

While renovating the museum of Ancient Egyptian medicine in 1972, Dr. Fawzi Soleiman Soweha the director of the museum introduced him to the science of Radiesthesia and with him he met Dr. Khalil Messiha, who introduced him to the French system of Physical Radiesthesia and its Ancient Egyptian origins. In France at the Maison de la Radiesthesie he acquired original books and instruments used by the pioneers of this science. Fluent in many languages, Dr. Karim was able to combine modern concepts of physics, harmonics, perception and Pythagorean theories to develop a new 'Physics of Quality' and based on it a science of qualitative measurement: Egyptian Radiesthesia. It became the main research tool in his subtle energy work, supported by biofeedback and bio-imaging devices. Taking this research into Architecture, Geobiology, and Building Biology, he found the basis on which he developed his new science of BioGeometry.

Ibrahim is also a sportsman at heart. From light athletics to tournament table tennis, he switched to playing tennis with his children, because he believed in parenting by example. They became top tournament tennis players in Egypt and received athletic scholarships at Rice, Tulane and Loyola universities in the USA, and AUC in Egypt. His son Mahmoud is now one of the partners of the successful Advantage Tennis Academy in Irvine, California. He states: "Competitive sports gave us a positive family interaction and an opportunity to give the children freedom to grow, travel and experience life in a healthy controlled environment."

As a former chancellor of the international Gourmet Society 'Chaine Des Rotisseurs', Ibrahim is certainly a connoisseur and enthusiast, collecting classic sports cars, watches, manuscripts, cameras, electronics, computers, multimedia, among other things.

He enjoys his work and has a very easy going friendly way, whether lecturing or appearing on TV. He gives seminars and workshops, in Europe, America, and the Middle East. The first seminars outside Egypt started in Holland in 1992, organized by Johan Keijser and then by Johan von Vulpen, who leads the BioGeometry Group of the Netherlands. In 1994, a collaboration with Helmut Ziehe president of the International Baubiologie & Ecology Institute USA in Clearwater resulted in several years of seminars in Clearwater, Florida. They also worked together in the Middle East projects. Dr. Robert Gilbert of the Vesica Institute, has also hosted many of Dr.

Karim's seminars and has become the first North American BioGeometry instructor followed by Dr. Michael and Patricia Maley of Creating Healthy Spaces, in Minnesota.

Dr. Karim is regularly hosted on radio and television (Reuters, CNN). He had his own daily television program: 'God grant me knowledge', during the holy fasting month of Ramadan, at the turn of the Millennium, on Egyptian Satellite Channel. Since March 2002 he had a weekly one-hour program on the Egyptian 'El Mehwer' satellite channel. He also had his first four programs of a series on the Egyptian Channel 'Sehaty' (My health), official channel of the Ministry of Health (2007). Since then he has appeared in many programs on Egyptian national TV, Saudi Orbit, Abu Dhabi TV, Dubai TV, MBC, and others. He was also a guest on TV programs featuring BioGeometry in Sweden (2006) and on channel NY1 in the USA with Michael Keith, Ronald Skrepich, and editor Charles Ross who featured BioGeometry in Veranda magazine for interior design.

Dr. Karim did research in BioGeometry organic planting of apples and potato seeds with Prof. Peter Mols of the University of Wageningen in Holland, and conducted a workshop to find solutions to harmful Earth radiation at the Design Academy of Eindhoven, Holland.

In Egypt he joined the "National Hepatitis C Research Project" lead by the late Dr. Taha Khalifa, Dean of the Faculty of Pharmacy at Al-Azhar University. He achieved significant results. that were made public on air by Dr. Khalifa in a historic, often repeated, television program that included the former minister of Health and prominent medical doctors, in the 'Mesaha Horrah' (Free Space) series presented by Isaad Younis on the Orbit Satellite television channel in 1999.

The great success with the environmental projects in Switzerland (Reduction of the side-effects of electrosmog on the human, animal, and plant health and restoration of the quality of life), with Swisscom, the main cellular provider, the Mediation Authority for Mobile communication & Environment, and local governments, in Hemberg, St. Gallen (2003-4), and Hirschberg, Appenzell-IR (2005-6), which were covered in several TV channels, including SF1 the main Swiss channel in 'Schweiz Aktuell' and 'Rundschau' and received a huge covering by the press. Two books by Ruth Schaad, 'The Miracle of Hemberg' and 'Pyramids, Temples, Pharaohs and Gods' also covered those projects.

Most of his work since then was in government projects in the Middle

East, that were not publicized. So it was with the Swiss projects that his work became known. Although he is constantly travelling around the world for his projects, he keeps his teaching commitments in Egypt as a professor of Architecture, where he supervises post-graduate studies (Masters and Doctorate degrees) on applications of BioGeometry and other environment topics at Cairo, Mansourah and Alexandria Universities. He has also been introducing BioGeometry to undergraduate students at the High Institute of Engineering & Architecture in 15th May city, South Cairo. In 2007, he received an award for his new futuristic path in Environmental Architecture from the University of 6th. October, Cairo.

It was, and still is, an amazing journey in an uncharted territory with many bumps along the way, but Ibrahim's conviction and vision never faltered. I am very proud to be his partner in a journey that he believes is just beginning.

Rawya Karim

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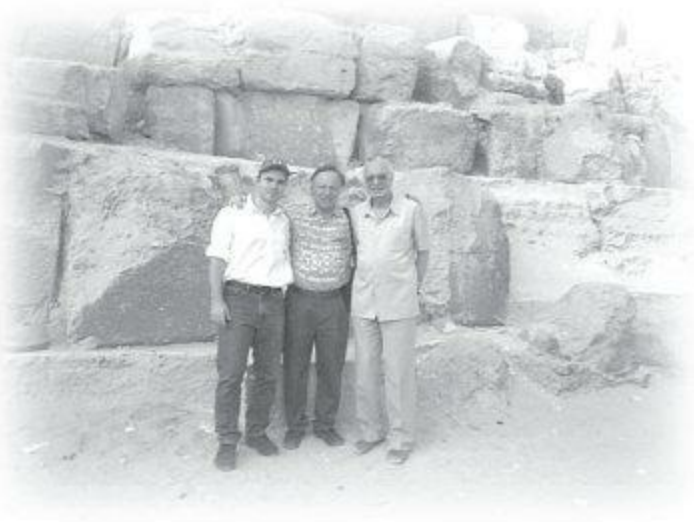


Ibrahim between his father Sayed and his son Sayed at the pyramids

Introduction

“I entrust you with the Land of Gold,” were my father’s last words to me on his deathbed a few years ago. He was the pioneer of modern architecture in the Middle East, as well as a famous scholar of Egyptology, spending the last thirty years of his life writing about the culture behind the greatness of Ancient Egypt.

In the Ancient Egyptian language, ‘Nub’ was the word for gold. The region of Nubia, in the southernmost part of Egypt, was referred to as the ‘Land of Gold’. My father, however, was speaking in a different context. He saw all of Egypt as the ‘Land of Gold’. The gold he was referring to was not the ‘physical gold’ as we know it; but rather, a ‘Spiritual Gold’, one of the three energy-quality components of the ‘One Harmonizing Subtle Energy Quality’, found in sacred power spots of humanity, that we will be referring to as ‘BG3’. (I should also note that the word ‘sacred’ is not used here in the ideological religious context, but rather in the broader holistic context of recurring and now measurable, subtle energy manifestations of a transcendent divinity, whose attributes animate our natural world and existence).

I am a professional architect with equal footing in the Arts and Technical Sciences. My worldview is a synthesis of many fields, and is both holistic and scientifically inquisitive. Through my years of research I ventured beyond the traditional uses of shapes and colors, into the experimental study of their objective subtle energy effects. I was able to discover new and fascinating phenomena; bits and pieces of information that finally fitted together like a jigsaw puzzle and culminated in the birth of a new type of modern physics that we now refer to as ‘Physics of Quality’.

The application of this new scientific approach to my existing repertoire of knowledge enabled me to study the subtle energy principles of architecture in ancient sacred locations, and the rituals connected to them. This was the beginning of an inner spiritual journey to the essence beyond traditional religious doctrines. My repertoire slowly grew to cover a wide array of subtle energy sciences in many cultures, to ultimately culminate in a new type of science for which I coined the name ‘BioGeometry®’ in the early seventies.

The science of BioGeometry introduces a revolutionary approach that goes beyond the mainstream scientific view based on quantitative

measurements, and the boundaries of what can be verified and proven. For example, the world was round long before we could scientifically prove it! *BioGeometry brings to light that which has been kept out of our perceived reality by the confinement of the senses, to form a broader worldview that could guide us back to harmony with all the laws of nature.*

We do not need to re-invent this worldview; it was there at the beginning of Western Civilization on the opposite side of a coin from which we have chosen the quantitative criteria to form the beginning of modern Western sciences. The qualitative dimension is however right there, hidden within our modern scientific quantitative worldview, a view that goes back to the Greek philosophers of whom Pythagoras stands foremost among the founders of modern Western Civilization. He is regarded as the father of sciences such as Mathematics, Geometry and Musical Harmonics. Pythagoras was the first to use the word 'Philosopher' to describe himself as a "Lover of Divine Wisdom." It shows the deep spiritual basis of his school, where science and religion were in harmony without the deep chasm that exists today. However, what he could divulge from the qualitative scientific holistic knowledge of Ancient Egypt, he kept for his closest disciples. The qualitative teachings were based on the knowledge that he had acquired in the temples of Ancient Egypt, where he lived for twenty-two years. The quantitative scientific teachings of Pythagoras are therefore, rooted in hidden qualitative secret knowledge that has been lost. It is now time to turn the coin and see the other side; this will take us to the enigmatic sciences of Ancient Egypt through the Physics of Quality in the science of BioGeometry, which enables the study of subtle energy effects on life's systems.

***B**ioGeometry is actually the science of detecting the 'Centering' or balancing energy quality of BG3, studying its harmonizing effect in nature, and reproducing it using a system of BioGeometry Harmonics to create a design language of shape that achieves harmony in the inner and outer environment.* This quality includes an invisible subtle 'Higher Harmonic of Gold', which is an energy quality that is in resonance with physical gold. This relationship between gold and spiritual energy was recognized in many ancient cultures and was expressed in sacred art. For example, in the paintings and icons of religious figures we find them depicted with a golden halo around the head.

We can view BioGeometry as a modern form of alchemy, based on the subtle energy interactions of geometrical shapes. Ancient alchemy involved

chemical methods performed using certain qualities of numbers, letters, astronomy and astrology to produce a grain of physical gold from base metals such as antimony or lead.

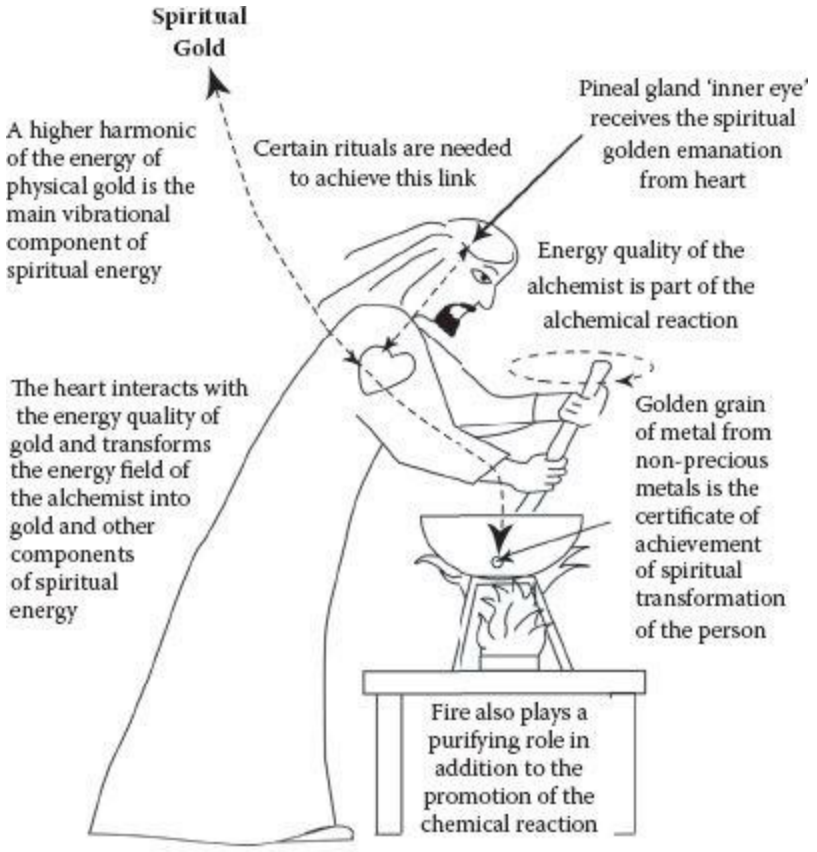

Spiritual Gold
A higher harmonic of the energy of physical gold is the main vibrational component of spiritual energy
Certain rituals are needed to achieve this link
Pineal gland 'inner eye' receives the spiritual golden emanation from heart
Energy quality of the alchemist is part of the alchemical reaction
The heart interacts with the energy quality of gold and transforms the energy field of the alchemist into gold and other components of spiritual energy
Golden grain of metal from non-precious metals is the certificate of achievement of spiritual transformation of the person
Fire also plays a purifying role in addition to the promotion of the chemical reaction

Fig. 1 – Alchemist – Harmonic Resonance with Gold

The resulting grain of gold produced was the proof that the energy quality of the user had been transformed to a higher level that was in resonance with physical gold, which would have indicated the attainment of a high level of spirituality. This transformation of the user was part of the process that affected the metal, transforming it to physical gold through 'Harmonic Resonance' (Fig. 1). In this sense, we can look at BioGeometry as *'Geometric Alchemy', because it produces this Higher Harmonic of Gold, among other qualities, indicating a transformation of the energy quality of all living energy systems in its environment.* BioGeometry as a modern science based on a Physics of Quality gave me the necessary tools to decipher many of the secrets of ancient cultures. It provided a key to open the doors to the vast knowledge of Ancient Egypt. This deeper understanding of their sciences, kept secret in the temples, enables me to take you on a journey into

‘My Ancient Egypt’.

A new and remarkable discovery, which my research has yielded, is the ability to detect the locations which have this natural balancing energy quality of BG3 (we sometimes just refer to it as ‘Gold’ for purposes of simplification) not only in the earth, but also in the sky. It is not surprising then, to find that the Ancient Egyptians were able to find the ‘Gold’ locations in the sky, as they did on earth. They then took it a step further, when they set out to connect the spiritual power spots in the earth with each other, and with those in the sky to form a three-dimensional ‘Gold’ pattern. They developed geometrical methods in their buildings with alignments to those sacred areas in the sky to connect them to the ones on earth. This theory sheds light on many aspects of Ancient Egyptian Architecture, as found in temple and pyramid designs. It is through BioGeometry that we are trying to resurrect the knowledge of the past and develop it to suit our era and create a better future.

It is my firm belief that life as we know it on earth, is in real danger of extinction or destruction unless we become aware of what lies beneath the ‘tip of the iceberg’. If we look beneath, we will find the hidden threat which we are just beginning to become aware of. The wider proliferation of electromagnetic waves is a hallmark of the information age. Numerous studies are showing the broader detrimental consequences of these radiations. Other studies confine their scope of inquiry to the imminent reality required by the marketplace, and insist on the lack of ‘hard and real’ evidence of any health hazards; and that the unchecked proliferation of electromagnetic radiation is completely safe as long as the existing legal limits are respected. Since there is no going back on the achievements of modern technology, and there are apparently no other solutions until now to reduce the effect of what has become labeled as ‘electrosmog’, the industrial community has chosen to stick to the lack of ‘hard and real’ evidence of any threat.

Swisscom, the main mobile communication provider in Switzerland, ignited a spark of positive change towards this attitude. After being part of a BioGeometry solution in the area of Hemberg, St. Gallen in Switzerland, they supported our theory which states that resonance among all electromagnetic sources (such as high tension cables, television and radio transmission, house currents, electrical appliances and also earth radiation), create a harmful situation in which all sources play a role, but none can solely be held responsible. A new source like a mobile communication tower can be like the drop of water that causes the barrel to overflow, becoming then only a part of

the totality of the harmful situation in which the individual sources have minor roles. This theory, which is based on my experience and successful results in the Swiss projects, was acknowledged in an open letter by Swisscom in Baubiologie magazine (Fig. 2).

I would like to share with you this success story, quoting a Swiss newspaper as an example from the wide media coverage; “An Egyptian Saves an Eastern Swiss Village from Electrosmog in an Unconventional Way.” Through the use of BioGeometry, we were able to reduce the harmful effect of electrosmog and restore ecological harmony to the Swiss village of Hemberg. This is concrete proof of the success of the practical application of BioGeometry in solving environmental problems. The success of our work in Hemberg was widely covered by the Swiss German media, which prompted the government to consider a nationwide solution that is still in debate. However, the local cantons (states) could not wait, and we were commissioned by the local government to apply a BioGeometry solution to the area of Hirschberg in the canton of Appenzell. The Appenzell project was covered by Swiss National Television step by step, and was aired as a documentary that acknowledged the success of the project, and noted the sustained satisfaction of the residents of the village of Hemberg (the first project), two years after the BioGeometry solution was implemented. *Restoring harmony in environments polluted by electrosmog had become a feasible reality, when the small Swiss village of Hemberg became the first grain of ‘Gold’ in modern times.*

Baubiologie

Reader’s Brief
From an interview with Dr. Ibrahim Karim, issue 01/2004, page 11.

BioGeometry in Hemberg:

Mobile communication is not the only cause!
In “Baubiology” Bulletin, April’s issue, Dr. Ibrahim Karim was asked about the potential of the science of BioGeometry which he developed.
Reading through the introduction, you will find that Dr. Karim managed to relieve the inhabitants of Hemberg, SG, “from the harmful side effects of the mobile communication antenna”. Moreover, the article described BioGeometry as “a technique to harmonize mobile radiation”

and “to help victims of mobile radiation”.
The readers tend to believe that the mobile communication antenna in Hemberg is causing health problems.
Dr. Karim, on the contrary, has a different perspective regarding the situation in Hemberg. He suggested, from the beginning, that the problem was cauded by all electrical sources as well as earth radiation in addition to the electromagnetic fields of the mobile communication antenna, which was as in the saying, “the drop that spilled the water from the glass”. Dr. Karim expressed this point of view repeatedly in every meeting. By the fact that he successfully solved the problem, Dr. Karim confirmed his thesis that all electrical sources alongside earth radiations caused part of the disturbances in addition to mobile tower radiation. Dr. Karim, Architect by profession, graduate of the renowned F.I.T. Zurich, Switzerland, announced this in most of his press interviews, such as “Toggenburger” (issued in 29.August 2003), “Linth-Zeitung” (issued in 28.October 2003) and also in public presentations.
The residents are happy that, through the help of Dr. Karim, the complaints of the afflicted persons have been reduced. It is important to understand that the disturbances are due to a combination of various bad effects arising from different sources of electromagnetic radiation.
By Eng. Jurg Studerus, Swisscom Mobile Environment

Fig. 2—Official translation from German of Swisscom open letter to Baubiologie Magazine

In Ancient Egypt, we find indications everywhere that the Egyptians had achieved this harmony on a large scale and turned Egypt into the ‘Land of Gold’. The Greek historian Herodotus, who visited Egypt in the fifth century B.C., commented that the Egyptians were “the healthiest, happiest and most religious people he had ever encountered.” My father, on his deathbed at the age of ninety-five was constantly drifting back and forth between our physical reality and other dimensions. He drifted sometimes to his beloved Ancient Egypt and perceived his ‘Land of Gold’ in its full spiritual and material splendor.

One cannot find what has been lost if one doesn’t know what to look for. We could not imagine that the Ancient Egyptians performed delicate brain surgery five thousand years ago, until we were able to perform such

operations ourselves in modern medicine. It is therefore, through the achievements of BioGeometry and the development of its techniques that we will go into the future, while unlocking the secrets of the past. We will understand how *the worldview of Ancient Egypt had an equal footing in both the quantitative and the qualitative aspects of science.* Looking to Pythagoras as the bridge that led to Western Civilization, we can try to find again the knowledge that has been left behind. If the knowledge that came through in an incomplete, unbalanced form has led to our great Modern Civilization, we cannot even begin to imagine what we can achieve when we bring over the rest.

It is my firm conviction that once we apply this knowledge, we can *Humanize Modern Technology*.

Three Friends along the Way

Excerpts from Personal Journal, January 1, 1999

***I** woke up this morning, on New Year's Day, with tears in my eyes and sadness in my heart. I had gone to bed just before dawn, a dream woke me up early in the morning. The dream, or 'astral journey', that awoke me was a visit I was paying to Dr. Khalil Messiha's family. I spoke to his son Hanna, whom we call Janno, who told me something about the cemetery where his father was laid to rest, and showed me some lines written in a small notebook telling them about things related to our teachings, that they should ask me about. When I woke up I learned that Dr. Khalil had died just before midnight. I went to pay my respect to his family and could not stay very long, as I was so full of grief that I could not find the strength to speak. Dr. Khalil Messiha was my teacher, friend and companion along the way in a never-ending journey. He died unexpectedly, without any previous ailments. It was a terrible shock to his family and friends. His departure was a great loss to all those seekers that he took along the way. Although we didn't meet much in the later days of his life, there was a spiritual bond between us that was very strong. We were actually three along the way, Dr. Fawzi Soliman being the third person in this unity. He was in fact the first, because it all started with him. Let me take you on a journey down memory lane.*

***W**hen I came back from Switzerland in 1969, I was appointed as a consultant to the Minister of Health, Dr. Mahmoud Mahfouz (a great thinker and scientific philosopher, who also played a major role in my life, and has always put his weight and scientific credibility behind my achievements in BioGeometry). Dr. Fawzi Soliman, who was at the time Director of the Museum of Ancient Egyptian Medicine, approached me one day without any previous acquaintance, and asked me if I could be in charge of the renovation of the museum. It was in the Sakakiny Palace, a historical building which the government had taken from the Sakakiny family and converted into a museum. Dr. Fawzi had asked the Minister of Health to let me handle the work, but the Minister had refused, saying that I was too busy at that time with a USAID project (upgrading the deteriorated health centers and designing new ones), and referred him to another consultant.*

***D**r. Fawzi did not know anything about me except my name. We had*

never actually met, but he knew that no one else should do the renovation but me. That day, he approached me as I was going down the main staircase at the entrance to the Ministry of Health, and he asked me if I was the architect Ibrahim Karim? When I said "yes," he requested that I ask the Minister to let me do the restoration and upgrading of the museum. He told me that it was very important for him that I, and no one else, do it. Then all of a sudden, he took aside, in a very secretive way, and opened his briefcase to show me some strange wooden objects. At first I did not know what they were? It turned out they were instruments of 'Radiesthesia', developed by the French physicists Chaumery and de Bélizal. I did not even know what the term 'Radiesthesia' meant at that time. He explained that it was a 'scientific form of Dowsing', but because I knew nothing about it, I was very skeptical. Nevertheless, I was intrigued and went to the Minister and insisted on doing the museum renovation.

W*e decided to meet the next day on Friday, our day off, so we could have enough time to look at the museum. As I entered the Sakakiny Palace, I felt really sad at how the government had neglected it. There was nobody there but Dr. Fawzi. We sat in his office, and he started again telling me about Radiesthesia. Later on, we were joined by his close friend Dr. Khalil Messiha. The three of us sat that day discussing Radiesthesia and different Ancient knowledge. I was very skeptical as many of the explanations did not fit into my mainstream scientific way of thinking or my background as an Engineer. It just was inexplicable by any of the theories of Physics that I had studied at university. I asked about some scientific literature. Dr. Khalil gave me the names of some old French books written in the thirties and forties by authors like Chaumery and de Bélizal, Turenne, Enel and others. He told me that these books might still be found at the 'Maison de la Radiesthésie' in Paris, France. This was the beginning of my journey, with a sign every day to guide me along the way.*

A *few days later, the Minister of Health sent me on an official assignment to Paris. This was a milestone in a journey that took me to the 'Maison de la Radiesthésie'. At the Maison de la Radiesthésie, Madame Lambert, the owner, gave me as a present all the old books and instruments of the Physical Radiesthesia school, which included the works of Turenne, Chaumery, de Bélizal, Voillaume, among others. This treasure opened my eyes to a whole new world and was the foundation upon which I built and developed a very precise scientific system of Physical Radiesthesia, which I labeled*

'BioGeometry'.

***F**rom that time on, the three of us, Dr. Fawzi, Dr. Kahlil and I, were inseparable. I would finish work at the Ministry in the evening, go to my architectural office and then off to Dr. Khalil's house. We would stay up talking and experimenting till very late at night. His wife, Marguerite, after putting the children to bed would bring us tea and cakes, and go to sleep leaving us to our research. Other times, we would go to Dr. Fawzi's clinic after his patients left, and the three of us would work together. I became so obsessed that when I went home I diligently researched everything related to Ancient Knowledge, Radiesthesia and alternative disciplines.*

***D**r Khalil and Dr Fawzi took me into their inner circles where I became part of a very special group of friends. There was Ammo (uncle) Wadie Girgis, as we called him; a healer who used to blow the disturbed energy away from the body and with his deteriorating eyesight, he could actually see better in the spirit world than in the physical one! We also went to meetings at Dr. Fouad Wissa's house. There, I met Dr. Raouf Obeid, a professor of law, and the well known author of the trilogy, 'Al Insan Roh La Gasad' (The Human Being is a Soul Not a Body). My friends also took me with them to the weekly Friday meetings at the Coptic Patriarchy to join a very select esoteric group studying with Anba Gregorious, the Cardinal responsible for scientific research in the Coptic Church. I was the only Muslim allowed in this group, to which even Copts were not permitted unless the Anba Gregorious himself invited them. From the very first day, I developed a special relationship with the Anba and we were honored to be granted several private meetings with him, where we discussed various spiritual teachings and energy-related topics. Dr. Khalil also introduced me to the Society for Ancient Wisdom, originally the Theosophical Society, which in typical Egyptian tradition was a closed group with only fourteen members at the time.*

***I** got married on the 14th of December 1974; early next morning, Dr. Khalil called me, he was very excited and said that the famous Coptic seer from Luxor `Khoja Yacoub Al-Khouzamy' was in Cairo for a day, and that we had been granted the rare opportunity to visit him. Dr. Khalil saw this timing as a blessing to my marriage, he felt that such an important visit would play a major role in my life. We took Rawya (my wife) with us that morning, and we went to meet him. Khoja Yacoub told us many stories, I felt that he was telepathically conveying a lot of information, as he would stop speaking and stare at me with huge wide open eyes. I received important*

clues to certain knowledge during that day, but I only understood many of those hidden messages as they unfolded with time. This was a memorable day in my life. What happened in that meeting will be part of an autobiography, which I have started, and which only God knows when I will finish. Dr. Khalil later drew a portrait of the master from Luxor and gave it to me (Fig. 3).

Fig. 3 – Khoja Yacoub Al-Khouzamy
courtesy of Dr. Khalil Messiha

***A**s the years passed by, I met less with Dr. Fawzi and more with Dr. Khalil, as we were founders of the Imhotep Scientific Society, along with Dr. Yahya Hamza Koshak, a Saudi Engineer who wanted to bring the Egyptian practitioners of the alternative sciences under one roof, around twenty years ago. Dr. Yahya, traveled around the world bringing back all the latest literature and equipment that he could find. Many of our old friends along the way who are great guides, healers, yogis and spiritual teachers, joined the society, and thus gave the members rich and diverse teachings. Dr. Khalil, however, was the main force behind the teaching. He held courses in Radiesthesia regularly, and taught many practitioners throughout the years. His older son, Dawoud, worked as an architect in my office for many years, and taught the foundation courses in Radiesthesia at our BioGeometry Center, while his younger son, Janno, was manufacturing some of our instruments. As time went by, my work in tourism planning for the Red Sea area took me away from Cairo, and prevented me from taking part in the Imhotep Society or in our group meetings, which was something I missed so much. Circumstances made my path an individual, lonely one, and I conducted my research alone, experimenting in my architectural projects, which developed into the science of 'BioGeometry'.*

***D**r Khalil suggested that we start holding lectures for the foreign*

community in Egypt to introduce them to the science of Radiesthesia, which we considered a valuable key to unlocking the Ancient Knowledge. We started our weekly Monday lectures at my office in Maadi, a southern suburb of Cairo, home to most of the foreign community living in Egypt. Later on, we started the Arabic lectures on Tuesdays. We always gave two lectures, Dr. Khalil gave the first one and I gave the second one. Our way of teaching was holistic; along a path of spiritual development on an inner level achieving a unity of religion. The fact that the teachers were one Coptic and the other Muslim emphasized the unity between Muslims and Christians. We spent many years giving joint lectures, seminars, and courses. It was good being back together again.

In the eighties, *I became advisor to the Minister of Scientific Research, Dr. Adel Ezz. It was thanks to him that I got the opportunity to introduce BioGeometry to the scientific community and patented the BioGeometry Design Language of Shapes. I was then appointed head of a research group in the new science of BioGeometry, at the National Research Center. In this research group, I managed to bring in Dr. Khalil Messiha, and Dr. Soheir Mahfouz (daughter of Dr. Mahmoud Mahfouz, the former Minister of Health with whom it had all started), as part of the team. Although we only met twice a week, and sometimes on Thursdays when I went to lecture at the Imhotep Society, I felt we were back together again, as in the old days.*

***R**adiesthesia in Egypt is thousands of years old. In the 1940-50s there were several great Radiesthesists in Egypt (for example, Enel, who published several books in Egypt & France), but it is Dr. Khalil Messiha who will always be remembered as the first teacher of 'Modern Scientific Radiesthesia' to a wider audience in Egypt in our present time. We did so much research and contact with the spirit world together, that we will surely continue the work wherever he may be, which could only be in a spiritual place fit for such a master. Until we meet, may God bless you, dear teacher and friend, and help your family to overcome this great loss.*

***I**n the spring of 2001, while I was giving a seminar in the United States, I learned of the departure of Dr. Fawzi Soliman. I remembered the day we had sat together and shed tears when Dr. Khalil died, and that day I shed my tears alone when I learned of his departure. May God bless him in his journey to where the three of us will meet again someday.*

Radiesthesia in my Life

My story cannot be complete without my 'French experience'. As mentioned in my journal, a few days after I met with Dr Khalil and Dr Fawzi and they talked about the origin of the scientific form of Radiesthesia (not to be confused with the popular psychic method of Dowsing), the Minister of Health sent me on an official assignment to Paris.

At the 'Maison de la Radiesthésie' I asked for scientific books on Radiesthesia, particularly the works of Chaumery and de Bélizal, Turenne, and Enel. I was told that the books were out of print and no longer available. I insisted and explained that I needed them for scientific research. The young man at the counter said, "Science will get you nowhere, Radiesthesia is a psychic practice; you must ask your subconscious with the pendulum." An elderly lady sitting behind the counter stood up and asked me where I came from. When I said "Egypt," she introduced herself as Madame Lambert and said, "We have been waiting for you. You have been in Paris for four days already, why didn't you come earlier? A lady healer has been calling five times a day asking where is the Egyptian?" That healer was Jaqueline Debeaux, a well known herbal doctor, naturopath, radiesthesist, and clairvoyant healer, but most importantly she was to become a very dear and close friend.

Madame Lambert told me that her late husband Monsieur Lambert was a famous Radiesthesist of the mental psychic school, and that she had personally known Chaumery and de Bélizal as they were friends of her husband. She said that the tragic death of Chaumery marked the end to the era of those pioneers, and that of the scientific school was abandoned for the more popular psychic practice. Madame Lambert said that, if the Ancient Physics was to be revived, the person to do it must be an Egyptian, and as an architect versed in geometrical shapes I was destined to do that. She had her assistant bring a huge stack of old dust-covered books from the cellar, which she insisted that I take as a present because she believed that I would revive and develop the Physical School of Radiesthesia[1] which was a legacy of Ancient Egypt.

During my architectural studies in Zurich, I acquired a special interest in theories of colors and shapes through the works of Muller[2] and Goethe, in particular. What I found in the books of Radiesthesia did not fit in with any

of these theories. However, I felt that there is something there, and this challenged my inquisitive nature. I started studying the books given to me with great fervor, and found that although the methodology worked fine, there were scientific explanations missing. *I realized that the pendulum used in Radiesthesia work is not just a weight on a string, but a precise measuring tool related to a musical string* (If we fix a string at one point and add a weight at the other end it will behave and resonate exactly like a musical string according to the laws of Harmonics) (Fig. 4).

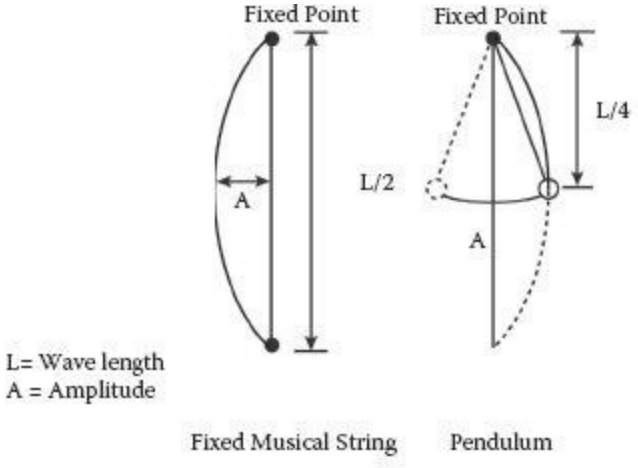


Fig. 4 – Wavelength produced by pendulum

I realized that string theories, in music and physics, played a major role in the science of Radiesthesia. I had spent part of my youth studying classical piano, at the Tigermann Music Conservatory in Cairo, and had some experience in the subject. I went back to explore theories of music and harmonics; this is where Pythagoras came in for me. I discovered the science of Ancient Harmonics through his work, and expanded my study from there on with the works of Hans Kayser, Hans Jenny and others. From the theory of harmonics, I managed to understand the whole concept of strings and developed my own scientific method of Physical Radiesthesia in BioGeometry. I then combined this work with my architecture studies and adapted this new tool of measurement to study the subtle energy criteria of historic monuments and locations. The combination of these new methods, with the theories of the science of Ancient Harmonics, where numbers are regarded as qualities, enabled the development of the science of 'BioGeometry Harmonics'. In BioGeometry Harmonics, the balancing subtle energy quality produces a system of numbers, proportions and angles which

play an important part in the design principles of BioGeometry, that we apply in architecture and all other forms of design. Before we go into the science of BioGeometry, I would like to introduce you to what we refer to in this book as the ‘One Harmonizing Subtle Energy Quality’ and its three components, the BG3 quality.

Scariatin, a Russian who lived in Egypt around 1940-1950, wrote several books under the pseudonym Enel, and developed instruments based on the Universal Pendulum of Chaumery and de Bélizal, which he used to detect the quality of energy components emanating from the tombs of Christian saints in Egypt. He wrote his first book on Radiesthesia: ‘Premiers Pas en Radiesthésie Thérapeutique’. The book was published in Cairo, Egypt, by Dar Al-Ma‘aref publishing house in 1949. By coincidence, or higher guidance, this is the same government owned publishing house that half a century later supported the cause of BioGeometry, and was making available the BioGeometry products through their chain of bookstores all over Egypt.

While he was researching the tombs of Egyptian Christian Saints, Enel found that they all emanated a certain quality of vibration within the range of what we call ‘Negative Green’. Negative Green is a carrier wave quality that has very strong communication properties on all subtle energy levels in nature, and is a doorway to other dimensions. Enel labeled this energy quality ‘Omega’. In the qualitative color scale of Radiesthesia, Omega is part of the Horizontal Negative Green range, in the gray area between white and black, opposite to the green. Enel concluded that the presence of this Omega energy indicated the presence of spiritual energy that reflected the spiritual attainment of the saints (Fig. 5).

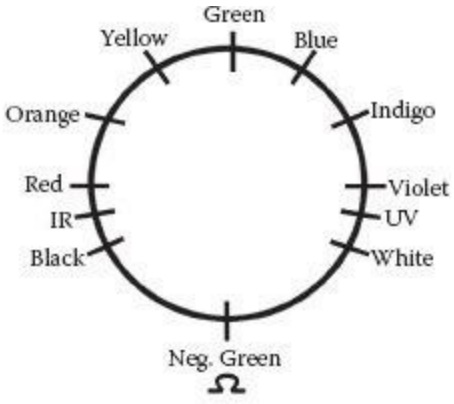


Fig. 5 – Distribution of color on a circle in Radiesthesia

Knowing that the tombs of those saints were within ancient church

complexes that were usually built on sacred power spots in ancient times, I started checking if this energy quality was also present in all sacred places and subtle energy power spots in nature, regardless of whether they enclosed tombs of saints or not. I found that the Ancient Egyptian temples, with their sacred lakes, emanated a strong Horizontal Negative Green. This energy quality was strongest in the central and holiest chamber of the temple, and in the natural spring or sacred lake usually found in such locations. Old churches and mosques gave similar results, as attested to by several researchers and authors[3]. All the power spots that I tested around the world, whether they had old buildings on them or not, showed the same qualities. Horizontal Negative Green was then a good way of detecting power spots with this special beneficent energy quality, whether deemed sacred by humanity or not.

Enel's work got me started on the search for the other components of spiritual energy because I realized that by reproducing only the Horizontal Negative Green energy quality geometrically, we were unable to reproduce the full spectrum of the spiritual quality found in sacred power spots. It took many years of research to discover the other two components. At the end, I found that they were so obvious and had been in front of my eyes all along.

The second of these components was an energy quality that we find at dawn: the Higher Harmonic of Ultraviolet. This is the realm where angels manifest and many spiritual rituals take place. The third component was even more obvious; and that was the 'Higher Harmonic of Gold'. As an artist, I was aware of the symbolism of the golden halo or golden aura around the heads of saints as depicted in religious art in many cultures. However, it never occurred to me that with gold in my hand I could resonate with the spiritual subtle energy quality and detect it that way.

The 'One Harmonizing Subtle Energy Quality' was finally detectable through its three subtle energy components and so I labeled it 'BG3'. Now at last, I was able to develop design principles that could resonate with and reproduce the harmonizing energy quality as found in beneficent power spots in nature.

BioGeometry

The BioGeometry Worldview

***B**ioGeometry, the design language of shapes, is the proprietary science[4] of using the energy principles of BioGeometry to amplify an energy quality manifest in nature that is found in the centers of all energy patterns of shape.* This subtle energy quality is at the core of the forming process in nature, and is responsible for maintaining the harmony within energy structures of all systems (animate and inanimate), and providing balance among the different manifest energy qualities of the components of the overall patterns of that system (Fig. 6).

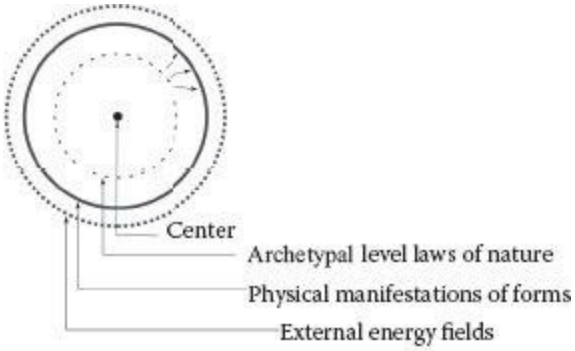


Fig. 6 – Subtle energy forming levels

***I**n BioGeometry, we have developed proprietary shapes and design principles that we use to replicate and amplify this highly beneficial natural subtle energy quality.* The shapes interact with the body's own surrounding energy fields, according to the natural laws of harmonics and resonance to introduce the energy quality balancing effect to the body's subtle energy system, and the harmonization of energy interactions with the environment. In order to understand how the application of the science of BioGeometry can harmonize the energy qualities of the environment, we have to shift into the *BioGeometry Qualitative Worldview*.

The BioGeometry worldview is a synthesis of the energy qualities of a space, it encompasses what we can and cannot perceive; it is a holistic view that does not differentiate between what is visible and what is not. This outlook is based primarily on practical measurements of the energy quality of interactions according to *an abstract Physics of Quality, and applied according to a sophisticated system of BioGeometry Harmonics, which integrates the metaphysical with the physical, the material with the spiritual,*

and the sensory with the extra-sensory, in a harmonious unity.

BioGeometry is a science of quality. When we speak about a science of quality, we are referring to a science which studies how different things affect each other on an unperceivable, subtle energy level. Qualities have traditionally been seen as subjective as in the fields of Humanities and Arts. In the science of BioGeometry, we show an inner level to qualities that can be used in an objective, scientific manner.

Qualitative scales of measurement

The scientific study and application of quality is based on Qualitative Scales of Measurement. What we mean by qualitative measurements can best be understood if we take an analogy from cooking; for example, a recipe might say a quarter teaspoon of salt; *that's quantitative*. Our taste buds react and send an impulse to the brain and we say, "too salty", *that is qualitative criteria*. All sensory perceptions of color, sound, smell, and touch are based on qualitative measurements. *Although these qualities manifest in different forms with each sense and beyond, they are based on the same set of subtle energy effects that we can regard as the abstract universal qualities at the core of each sense*. We can then use color, sound, touch, etc…, as a scale to express the abstract transcendental qualities beyond their respective ranges in all vibratory ranges, whether perceived or not. In this way, *everything in the universe can be categorized according to those abstract transcendental universal qualities (Fig. 7). Thus they become scales of qualitative measurement.*

The units of a scale of quality are not abstract quantitative values, but qualitative attributes based on unperceived, yet viable effects on subtle energy systems. In order to study the effect of these unperceived attributes on energy systems, we need to choose an attribute that manifests within our perceptual range and beyond.

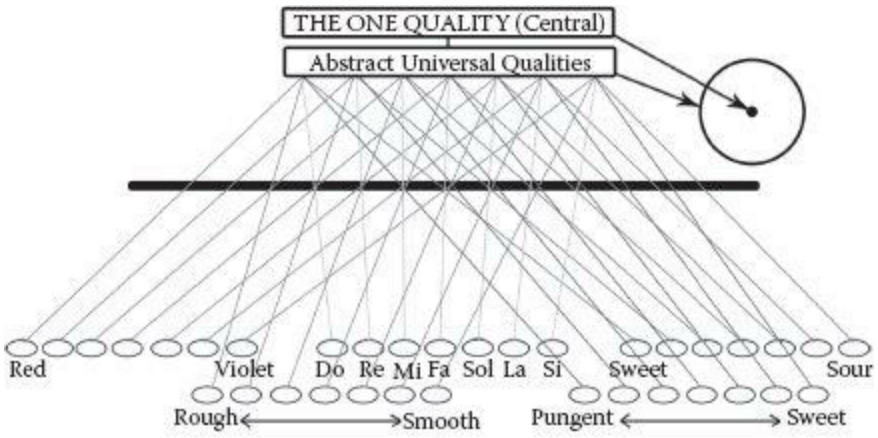


Fig. 7 –Universal qualities manifesting within the sensory ranges

If we take colors for example, we perceive a range of colors between red and violet. We know, however, that on different frequencies that we cannot perceive, there are ranges of what we call ultraviolet and infrared. Modern technology has made us able to use these unperceived frequencies. These attributes, whether they are color, music or others, follow the natural laws and have a scale that manifests within our perception; *but as qualitative measurement scales, they can also be applied beyond their respective ranges to represent abstract universal qualities that manifest throughout the vibratory ranges.* Similarly, we can have scales derived from other qualitative attributes (Fig. 8).

Different cultures and traditions typically choose different scales, like different languages. We have qualitative scales based on polarity (like in the Chinese yin-yang), and others based on qualities related to the earth magnetic coordinates and expressed as the five elements of the Chinese Bagua (compass), or the four elements found in many other traditions.

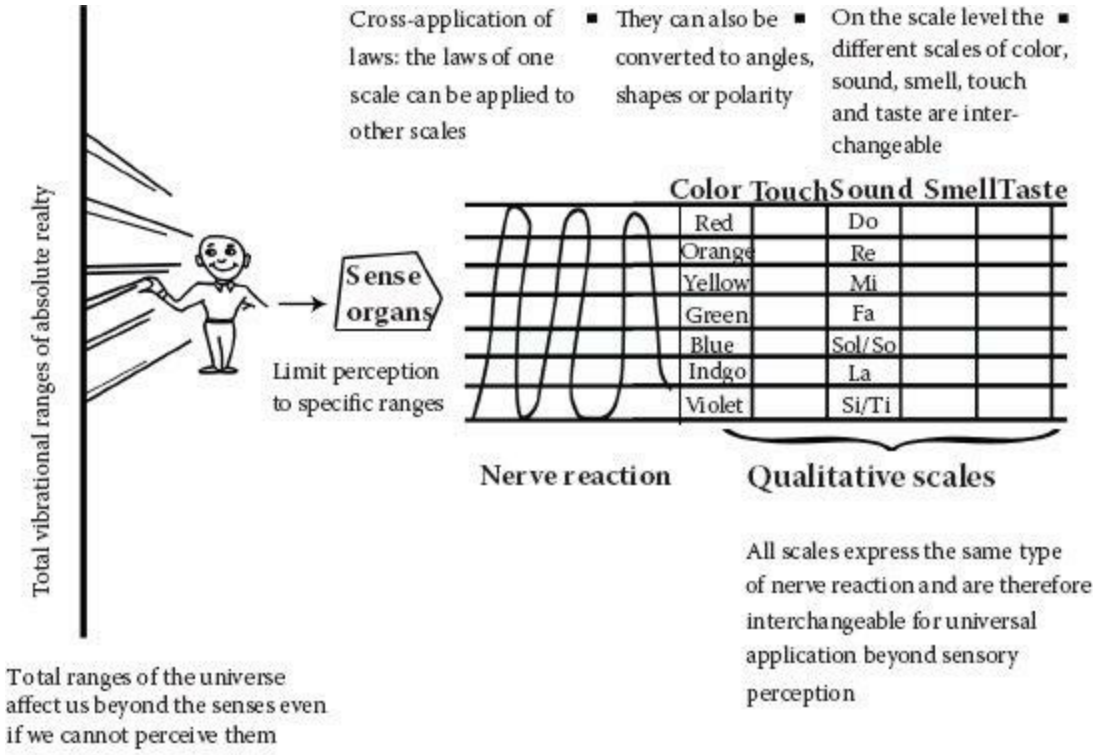

Cross-application of laws: the laws of one scale can be applied to other scales
They can also be converted to angles, shapes or polarity
On the scale level the different scales of color, sound, smell, touch and taste are inter-changeable
Total vibrational ranges of absolute realty
Sense organs
Limit perception to specific ranges
Color Touch Sound Smell Taste
Red
Orange
Yellow
Green
Blue
Indgo
Violet
Do
Re
Mi
Fa
Sol/So
La
Si/Ti
Nerve reaction
Qualitative scales
All scales express the same type of nerve reaction and are therefore interchangeable for universal application beyond sensory perception
Total ranges of the universe affect us beyond the senses even if we cannot perceive them

Fig. 8 –Sensory scales

Physics of Quality

In the process of deciphering laws that govern the qualitative interactions of energy systems, *a Physics of Quality emerged to explain the common abstract essential qualities behind the senses, which produces our selectively limited perceived reality from the totality of the existing vibratory ranges.* There are different laws that govern our perception of sound, color, shape, etc… On the qualitative level, however, there are universal laws that govern everything in the *absolute reality*, including all those seemingly different sense perceptions that show their underlying unity.

Our brain is capable of processing these stimuli through different scales. Electromagnetic waves reflected on objects enter our eyes and stimulate the optic nerves, sound waves enter our ears and stimulate another set of nerves. Minute electrical signals travel along the nerves from our eyes and ears, to reach the sensory perception parts of our brain. One part of our brain translates the signals into colors, and another part translates them into sounds. *They are all translations of the same type of electrical impulses in the nerve, resulting from the effect of different types of waves captured by our sensory organs* (Fig. 9). The different scales take all sensory information into the meaning level, and put them all together to form a three-dimensional reality of shapes, colors, sounds, smell, taste and touch. This translation of the same nervous stimuli into different sensory perceptions with the same transcendental qualities means that we can find in every law applicable to one sense an aspect that is universally applicable to the other senses. In other words, we can actually use any law that we apply for one sense to have a deeper understanding of the other senses and the common set of abstract qualities behind all the senses. *In a broader manner, the sensory scales are interchangeable. A musical note like Do/C can be induced by different musical string lengths (i.e., wavelengths) and has the same quality of effect on us as the color red.* The brain translates the same effects on the nerves through different scales. If we apply the laws of harmonics, such as resonance to the sensory perceptions, they would also extend and be applicable to all ranges beyond them covering the totality of *absolute reality*.

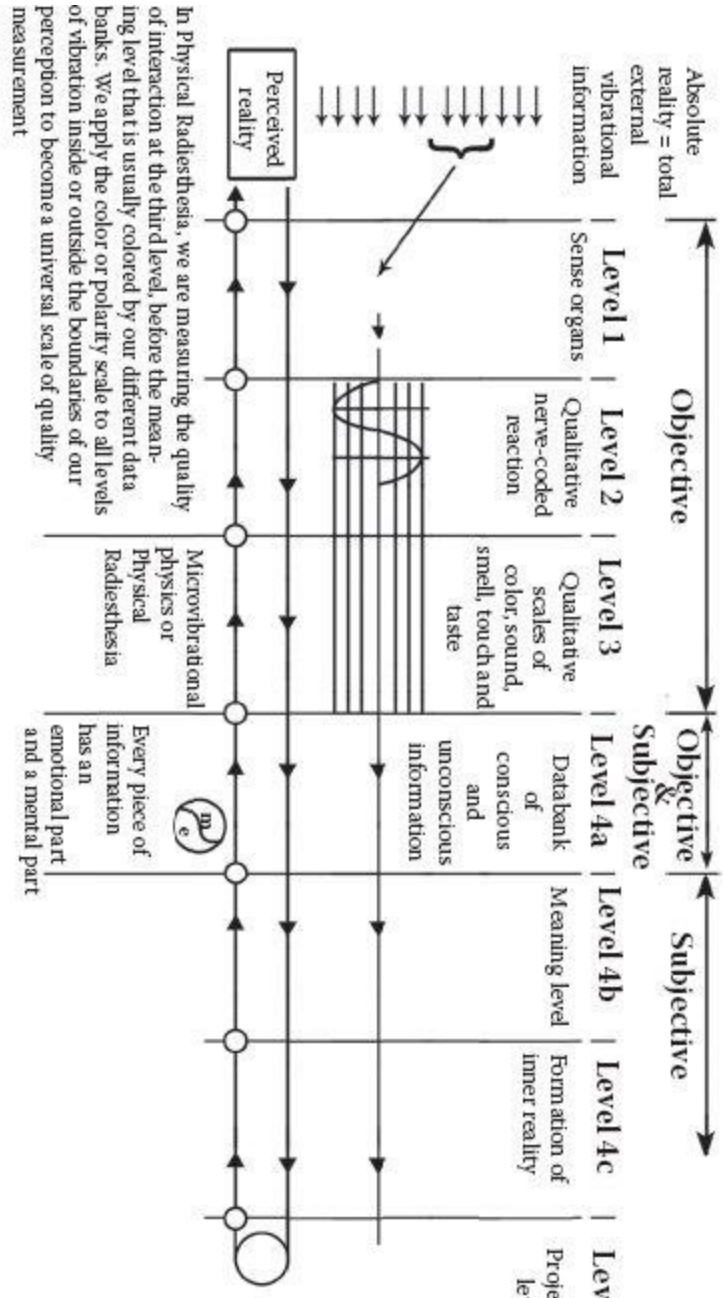

Absolute reality = total external vibrational information
Objective
Objective & Subjective
Subjective
Level 1
Sense organs
Level 2
Qualitative nerve-coded reaction
Level 3
Qualitative scales of color, sound, smell, touch and taste
Level 4a
Databank of conscious and unconscious information
Level 4b
Meaning level
Level 4c
Formation of inner reality
Level 5
Projection level
Perceived reality
In Physical Radiesthesia, we are measuring the quality of interaction at the third level, before the meaning level that is usually colored by our different data banks. We apply the color or polarity scale to all levels of vibration inside or outside the boundaries of our perception to become a universal scale of quality measurement
Microvibrational physics or Physical Radiesthesia
Every piece of information has an emotional part and a mental part
m
e

Fig. 9 – Functional diagram of sensory perception

If we take the abstract common transcendental quality manifested as the red color in the visual range as an example, we find that it repeats itself in all vibratory ranges from zero to infinity. A human ear can hear more than ten octaves between the lowest and the highest tone. Our visible color range however, is limited to only one octave, from red to violet (Infrared and ultraviolet are not visible). Because of this limitation, we do not speak of Resonance in color. If our eyes could see more than one color octave, and in

music hear only one octave, then we would be speaking of Resonance in color, and not in music. All are the same laws; what applies to one, will apply to all.

The phenomenon of Resonance also extends to perception of shape and motion. When a prehistoric primitive man or an aboriginal shaman imitated the shape or motion of an animal, he created *Resonance of Shape* and *Resonance of Motion*. This resonance through shape and motion achieves unity, or tuning in with the subtle energy qualities of the animal on the vitality, emotional and mental levels. In other words, he acquired the personality and character of that animal.

What does Resonance do and how does it work? Resonance is not limited to any range or dimension and covers all types of energy. Two fields in resonance become a copy of each other; both are affected. This effect is not bound by conventional time and space limits; for example, even though we are taught that nothing can move faster than the speed of light, this however, as the following experiment shows, is not always the case.

At the annual congress of the Psi-Tagen (Para-Psychology) in Basel in 2001, I attended a demonstration of the German Mind World Institute, in which they used brain tracers (a device to measure and analyze brain waves), on volunteers to show how the brain waves are affected when people interact. They presented a very interesting experiment they had conducted in Germany: Researchers hooked brain tracers that were linked to synchronized computers on two people physically located about 300 kilometers apart. The subjects knew each other, but had no close relationship. A picture was used to initiate telepathic connection. Changes in the brain wave activity were recorded by the computers. The surprising results showed that there was no time lapse; the second subject was affected at the exact same moment when the first subject was shown the picture. The fact that both subjects were influenced *simultaneously* and *instantaneously* while separated by a great distance challenges scientifically accepted theories by indicating that telepathic interactions can actually move faster than the speed of light.

Such experiments have led to new theories proclaiming that some types of waves which do not travel at a constant speed, can in some cases, actually move faster than light. Let us look at it in a very simplified form: Any type of motion produces turbulence around it, just like the waves you see on both sides of a moving boat or those created by dropping a stone in water (Fig.10).

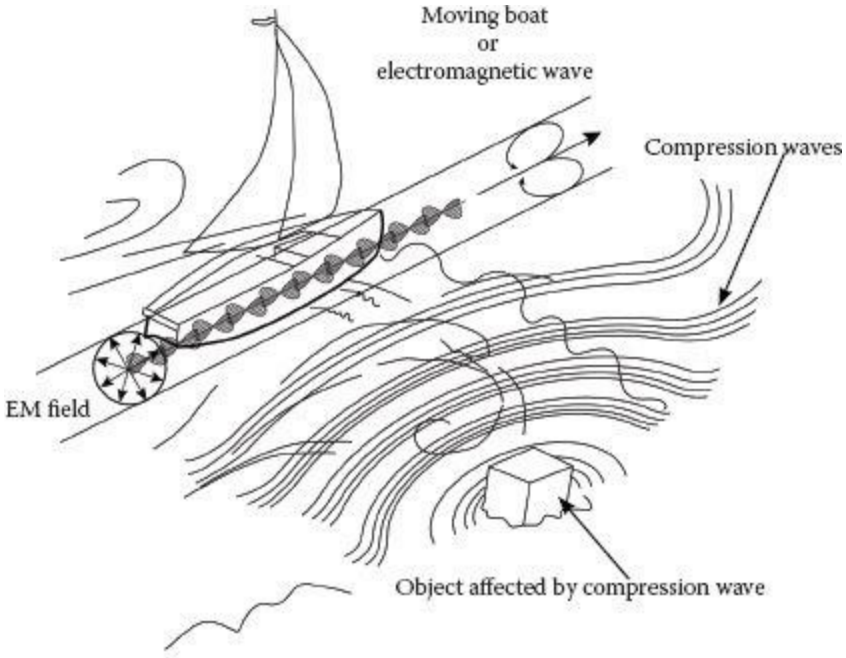


Fig. 10 – All motion creates secondary compression waves in the environment

Leonardo Da Vinci had shown (in the 15th Century) that when he stirred a liquid in a bucket the spiraling compression waves would increase in speed towards the periphery or the center, depending on how one stirred. These are compression waves just like sound waves, but outside the audible range. They move along the direction of motion and are therefore called longitudinal waves. *Any form of motion creates such waves in its surroundings. Accordingly, the motion of electromagnetic waves will also create turbulence in the form of longitudinal or compression waves.* Although electromagnetic waves travel at the fixed speed of light, the compression waves they produce travel at different speeds through the environment (Fig. 11).

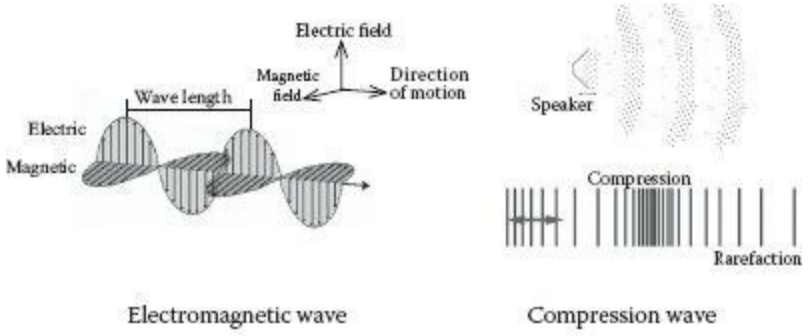


Fig. 11 – Electromagnetic wave vs. compression wave

Dr. Konstantin Meyl[5], a main authority in the field of Scalar waves (a type of longitudinal compression waves), asserts that, under certain conditions, these waves can move faster than the speed of light.

Dr. Meyl explains the nature of Earth Energy Grids and other forms of Earth Radiation as Scalar waves, and asserts that the detection methods of dowsing are based on our sensitivity to those waves. He also explains that the persisting harmful effect from electromagnetic radiation in the atmosphere, which we label 'electrosmog', is due to those waves. The Russian school of scientists speaks of longitudinal Torsion waves with similar properties, but on a minute energy level[6].

All forms of longitudinal waves interact with shapes in several ways as in the science of acoustics, but on levels beyond the audible range. In his research on Greek temples, Dr. Meyl shows that longitudinal waves play an important role in the quality of architecture and design. *He calculated the Scalar wave length emitted by the temples and found that temples dedicated to the same gods emanated similar wave lengths.* He saw that as an ancient form of communication. If we take this matter further, we find that the ancients looked at all energies as alive, a concept that is being revived by many modern researchers. *The temple in that sense emanated the living subtle energy quality of the god to whom it was dedicated.*

Energy has properties of motion that are far beyond our ability to measure today. Here we are breaking the boundaries of our known concepts of energy. When dealing with the laws governing energy quality interactions, we find that they are not confined to the laws of time and space as we know them. On the mental and emotional planes of vibration for example, we find different time-space concepts, and so the speed of light is not relevant.

The Unified Field Theory, which seeks to find the common form of energy behind the four known types: Gravity, Electromagnetism, Weak Nuclear Forces and Strong Nuclear Forces, is only addressing the limited physical dimensions. Other levels of energy such as emotional, mental and spiritual are not included.

In a holistic view, where everything is energy, all levels, types and dimensions are in communication through resonance, and have to be taken into consideration. We will find that the unifying force could actually be on a much higher level than the physical dimension. In the qualitative paradigm, however, where everything in the universe with all its dimensions from zero to infinity are interconnected, we have to look for the unifying force from a

totally different perspective. Dr. Claude Swanson, Physicist, MIT & Princeton, has developed a very interesting holistic multidimensional model of the universe where everything that has been left out of modern physics, such as the paranormal, time travel or multiple dimensions, has a place[7].

Any energy system has energetic centers. In the human being, these spiral wheel-like energy centers have become known as chakras. Likewise, the earth also has such energy centers, many of which we know as sacred power spots or special healing locations. In the energy pattern of a shape, a center by definition is a point with no time and space. This would be like the transcendental center within the point at which we need to fix the arm of a compass to draw a perfect circle. *The quality of the energy found at the center of these energetic vortices is the transcendental energy quality that we identify as the 'One Harmonizing Subtle Energy Quality' and refer to in BioGeometry as 'BG3'.*

In BioGeometry, we have extensively studied the properties of these centers and are able, through the application of BioGeometry Principles and the 'BioGeometry Harmonic System of Design', to recreate and amplify in any shape this special Centering and balancing subtle energy quality. This 'Centering' effect transforms the whole shape to become its own center, and on another level, radiates this harmonizing energy quality into the surrounding environment.

When we perceive a problem from a BioGeometry outlook, we look at it from a multidimensional perspective to assess the total quality of energy interactions. Abnormal phenomena such as, sharks venturing into shores and reefs, or migrating birds losing their way, are good examples of the imbalances that cause the disturbance of natural energies and forces in those situations. As we view these sorts of problems, our understanding and use of BioGeometry Principles enable us to detect the types of essential balancing energies needed to restore the natural state of balance and harmony.

BioGeometry deals with pure energy interactions through qualitative harmonic relationships, beyond the boundaries of time and space in a multi-dimensional perspective. For many people, BioGeometry seems to deal with so many diverse and what might seem totally unrelated fields. We not only use BioGeometry in different traditional fields of architecture and design (town planning, design construction, modifying existing buildings, landscaping and furniture design etc…), but also in nontraditional disciplines related to building, such as the location and study of the Earth Energy Grids,

or the energy quality analysis of sacred power spots, and related religious rituals. We can also use BioGeometry in the design of the shapes of devices of modern technology (such as cellular phones, computers, etc…), in order to reduce the harmful side effects of electromagnetic radiation on the subtle energy level. The use of BioGeometry produces a special kind of energy balance that has proven to be very supportive to orthodox as well as complementary medicine, as it adds to it the inner and outer environmental qualitative balance. In agricultural research, it has proven to be an economically effective method of increasing productivity, reducing pesticides and prolonging shelf-life. BioGeometry work has presented viable solutions to many environmental problems, particularly those caused by different forms of electrosmog.

What does all this mean? What does a building or a computer have to do with religious ritual or healing? Today, in all disciplines and sciences where more than one level of man is taken into consideration, the science or discipline is considered holistic. Being holistic from a Physics of Quality and BioGeometry perspective means that it has a place in any discipline, no matter how absurd that may seem, because if we cannot apply it to everything, then it cannot be holistic in the universal sense.

An interesting example that could clarify the universality of the BioGeometry holistic approach would be in taking an abstract scientific approach to spiritual or religious activities; through the study of the subtle energy-quality interactions at the core of rituals from a BioGeometry perspective. This gives us an unusual, and yet, very practical approach, based on experimental analysis and measurement of the quality of energy interaction. In other words, *an abstract spiritual energy-based viewpoint that is beyond specific religious doctrines.* As an example, we can study a ritual from Islam, Christianity, Judaism, or Ancient Egypt, without the specific belief system attached to it, since each of these rituals can have the same energetic goal. All are just different ways to access a state of ‘Centering’ that forms a perfect subtle energy balancing quality that is the essence of the harmony at the heart of all spiritual activities. Belief adds a subjective, psychological quality to enhance the main harmonizing effect, which is purely an abstract energy quality. We will therefore use the word energy, from now on, in its qualitative aspect.

In order to better understand the results of the application of the science of BioGeometry, we can refer to the officially published and documented

Swiss electrosmog projects[8], which highlight how the use of BioGeometry has been able to harmonize the subtle energy qualities of the environment and reduce the harmful side effects of electromagnetic radiation in different parts of Switzerland, with results that have been described by the media as “miraculous”. The BioGeometry way of looking at life will certainly challenge your intellect. We will use this expanded holistic energy quality worldview even further, to decipher the secrets of the Ancient Egyptian Civilization in an unorthodox way that I refer to as ‘My Ancient Egypt’.

To give you an idea of what I mean, I will try to put you in the mental framework of the Ancient Egyptians; not the stereotypical Ancient Egyptians you read about in books, but the Ancient Egyptian scientist-priest of the ‘Per-Ankh’, the house of life that was attached to the temple, where knowledge and wisdom are experienced. I will tell you how it really was, from my own perspective of the Per-Ankh.

A few years ago, I was invited to Sweden as a keynote speaker at the conference entitled ‘Thinkers of the New Millennium’, at the Chinese Theater in Stockholm. The theater that seated five hundred was packed. I usually like to have eye contact and rapport with the audience when giving a lecture, this interaction helps me navigate through the variety of topics to illustrate the concepts of BioGeometry. Standing at the podium on stage facing the floodlight, I could not see the audience sitting in the dark. Communication was made even more difficult by the fact that only a few in the audience spoke fluent English. I stood pausing for a moment at the podium and in that short moment of silence an interesting funny story developed in my mind. I thought this would be the best way to ‘break the ice’. So, I took the audience on an imaginary trip to the future.

In the year 10,000 A.D., a very advanced civilization exists that uses completely new forms of energy unknown to us. They have lost all knowledge of electricity as a form of energy. Maybe they had the wisdom to understand that it had harmful side effects? We go to the Museum of Ancient Sculpture, and to the hall that exhibits the sculpture of our present era, the beginning of the 21st Century. The guide is explaining to them the development of style and taste in sculpture around that time. There is a large display of television sets arranged in chronological order. He says “There has been a period where art expressed different levels of abstraction. In these examples, we can see the way the human figure was depicted with the glass screens representing the face whenever the gods were concerned. As their

(meaning us!) taste developed, they started making them smaller and more elegant. The faces however, seem to grow bigger with time. They even used abstraction to depict the human organs inside the body." "We must understand" says the guide, "that this was a world of superstition and mythology; they had an abundance of representations of gods, nothing like our present civilization, where we have an exact practical knowledge of our One God." He further explains that, according to archaeologists and historians, the birth of Monotheism was about 4000 A.D., and adds that they, in their era, had been able to decipher some parts of our language out of the few fragments, that survived the 'great-unknown cataclysm', which had completely destroyed our civilization. The names of the gods which those sculptures represented were written on them in order to identify them, because they were represented in so many different ways. The guide goes on to explain that we were very religious people, and would often have a god in every room and often even carried them around. He points to the name on one of the sculptures and says: "This is the name of the god 'Sony', a very powerful deity in his time, and this is probably his consort the goddess 'Toshiba'. Other popular gods like 'Panasonic' and 'Philips' were also widely venerated. There were also many regional gods such as 'Grundig' and 'Saba'!" Suddenly, I heard laughter coming from the audience as they heard the names of their electronic brand name companies. I knew I was on the right track. I stopped for a while and waited until the laughter subsided and was replaced by total silence. I then became very theatrical and with a loud and serious voice I asked: "Why are you doing the same thing to my ancestors?"

The story might seem funny to us, but to people 8000 years in the future, it would be real. This might be the way they would interpret 'their history', because they would not know anything about the forms of energy which we use today. The ignorance future people might show toward us, is exactly what we exhibit towards the Ancient Egyptians. If someone from Ancient Egypt were sitting here right now, he would laugh at us in exactly the same way as we are laughing at those people of the future because we cannot imagine that there could have been a form of energy used by our ancestors that we do not know anything about, or are not using today.

This anecdote had done the trick, and put them in the right frame of mind to understand the true essence of the Ancient Egyptian Civilization, which used everything, from drawings, geometrical shapes, sound, music and words

of power, to symbolism and body postures, as tools to interact with the energy that they used in everyday life. We have somehow lost all knowledge of that subtle, but immensely powerful energy that is at work in nature as well as in man. We cannot any longer comprehend the existence of an energy that works on all levels; from the physical up to the spiritual, or devices in which man's energy balance is a vital component that is used, or at least taken into consideration. The road was paved for the introduction of BioGeometry, and all went well after that. I frequently tell this story when I give lectures about the science of BioGeometry or about 'My Ancient Egypt', where I speak as would a priest-scientist of the Ancient Egyptian temple, who masters the interactions with the powers of nature through the energy sciences.

The Cycle of Civilizations

What I will say about Ancient Egypt is not found in the official or academic knowledge that historians or Egyptologists teach. It is not based on the existing findings of archeology. It is not a lesson in history, nor is it a 'New Age Fad'. It is a synthesis of realistic knowledge, a vision of the past, a glimpse of ancient glory based on the modern Physics of Quality and the practical applications and measurements of BioGeometry to give us a new vision of the subtle energy world of Ancient Egypt. I want to show you how an ancient civilization became so great, and what lessons we may learn, and knowledge we can apply in order to make a transformation that can change the future of mankind. We can only comprehend this, if we look beyond the conventional archeological evaluation of the Ancient Egyptian Civilization. Only then can we import its essence to expand our current way of thinking.

Like any form of life, a civilization flourishes, reaches its peak, then declines and another rises. The rise and fall of civilizations generally follows a cycle of around 300 years. However, the Ancient Egyptian Civilization defied that cycle, and lasted for at least 3000 years of recorded history and for many thousands of years before that. The pyramids have been officially dated back to around 3000 B.C., but many scholars still think that they are much older. We know that the pyramids could not have been built at the beginning of the Ancient Egyptian Civilization as the knowledge needed to build such gigantic structures indicates a development within a flourishing civilization

thousands of years earlier, with a high level of organization, and a very advanced system of administration as evidenced by archaeological findings. These numbers go far beyond the usual pattern in the cycle of civilizations throughout history.

What we know about Ancient Egypt seems to be a legacy, and not a beginning. How can a civilization exist for so long? What caused its decline? If we can discover these answers, we might be able to gain the knowledge that could help us solve our own problems. Our era of modern technology now is just over 100 years old, and is already in serious trouble. Global destruction of life in all its forms is an imminent threat. Maybe we should go back and learn some lessons from the ancients.

Threat that Lies Beyond

Just two decades ago, everybody was afraid that the end of life on earth would come as a result of a Third World War. We thought that the global extinction would come from either nuclear warfare, or maybe our carelessness towards the environment. The ozone problem and global warming causing natural disasters everywhere, which endanger plant and animal life, are real and serious threats that we are aware of. Measures not good enough, nor fast enough, are being taken to prevent the spread of weapons of mass destruction. The slow and persistent destruction of our environment is the other major threat that we are also aware of. Governments and activists are working on implementing environmental controls that will set restrictions on the harmful emanations which pollute the atmosphere.

In this area of environmental sabotage, we must pay particular attention to the careless destruction of the Plant Kingdom, as it plays a vital role in our very existence. We are born on this earth, and we live off the energy of the sun which is essential to our survival, however, we are now aware of the sun's harmful side effects. The sun's rays traveling through the atmosphere have two wave components, a *horizontal magnetic-like wave component*, and a *vertical electric-like wave component* (Fig. 12), each moving in a plane at a right angle to the other[9]. The wave can either move along those planes without rotation, or rotate on its axis, in which case the words vertical and horizontal are only an indication of their position to each other. Using instruments of qualitative detection, we find that *healthy humans only*

resonate qualitatively with the horizontal wave components, so do edible plants. Poisonous plants on the other hand, are in qualitative resonance with both components. Any disturbance or imbalance such as diseases, produce harmful qualities of the vertical wave component in our body. When a certain threshold of the vertical component of radiation is exceeded, it becomes dangerous. This is the case when we are exposed to harmful earth radiation, or electromagnetic pollution.

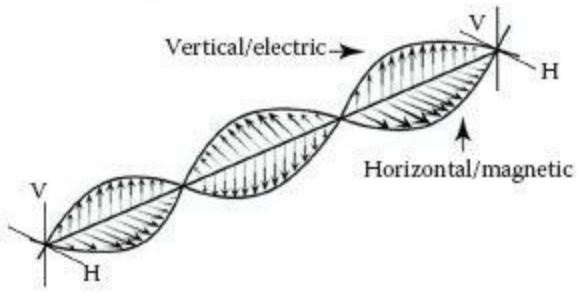


Fig. 12 –Electric (vertical) and magnetic (horizontal) wave components

There is an old German saying, “Guter Mond, Schlechte Sonne” (Good Moon, Bad Sun). The sun is a major source of life; it holds many beneficial qualities, yet, it is a double edged sword through its harmful vertical (electric) energy quality (Fig. 13). The moon, on the other hand, reflects the light of the sun and in doing so, cancels the harmful effect of the sun’s vertical aspect. The sun’s cycle is that of direct light, while the moon’s cycle, is that of reflected light. The cycles of the sun and the moon are inherently different, not only quantitatively, but also in quality. The solar year is different from the lunar year. Many cycles of life depend on the moon, while others depend on the sun, but ultimately it is the balanced interaction of both cycles that produces harmony in all of life’s functions. The moon affects water tides on earth and thus has an influence on life’s functions that depend on water.

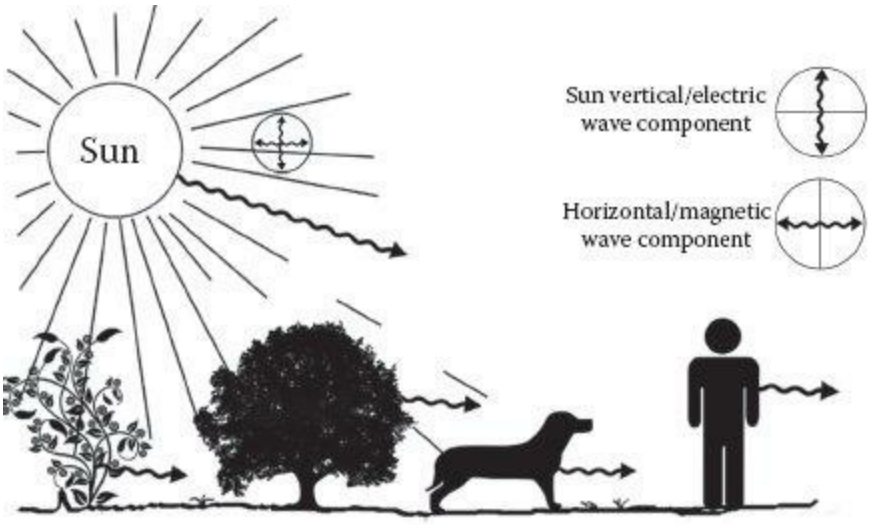


Fig. 13– Healthy plants, animals and humans
enter into horizontal wave resonance

We need the sun's direct energy to survive. Imagine if it were possible for us to stand in the morning and feed directly from the sun's energy. Obviously this won't work! Fortunately, the higher wisdom of the Designer provided the solution that works in a different way. The sun's energy goes through a transformation process before we can use it as a source of life; the agent of this transformation is the plant kingdom. Along with the transformational chemical process of photosynthesis, through which plants convert the sun's energy to nutritional value, there is also an important energy-quality transmutation of the harmful wave component. *From the energy-quality perspective, the plant system acts as an external biological organ of the animal system, and so, in reality we are one system* (Fig. 14).

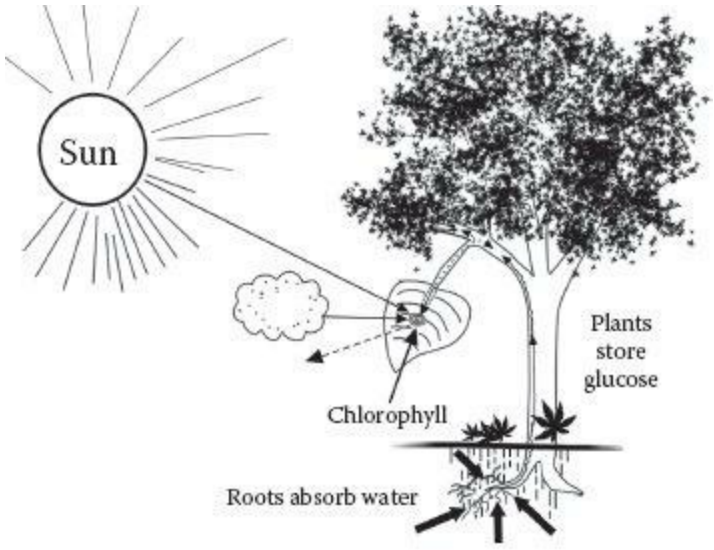


Fig. 14– Plants convert energy of the sun

We need to be aware that when we disrupt the life cycle of the plant kingdom, we are in fact harming one of the vital organs of our body. Environmental problems are not external problems; they are right within us, inside our biological system. We are destroying our own organs! Fortunately, we have become more aware of the detrimental effects of our actions on the environment, and are slowly taking measures to contain the problem.

So, where does the imminent danger lie? This danger that we are not fully aware of, is unperceived by our senses, but nonetheless potentially threatening to life on this earth. This environmental concern which we refer to as ‘electrosmog’ is becoming a main health hazard. The old paradigm of reducing the pollution is not enough to solve the problem. The shift from the age of modern technology towards the age of information depends more and more on electromagnetic carrier waves. These waves are what could eventually bring an end to life on earth. The dangers of the age of information are global and will not be easy to control. Environmental problems and nuclear warfare are actually much easier to handle. We are continuously increasing the amount of carrier waves needed for the wireless technology of modern communication. New television channels, cellular networks, surveillance equipment, and other technologies are put into the earth’s atmosphere every day. We need to recognize that the atmosphere is part of the Earth’s body. We are actually living inside the Earth as part of it, and not on the Earth as something separate from it. These waves end up affecting not only the body of Earth, but all kinds of life inside of it as well.

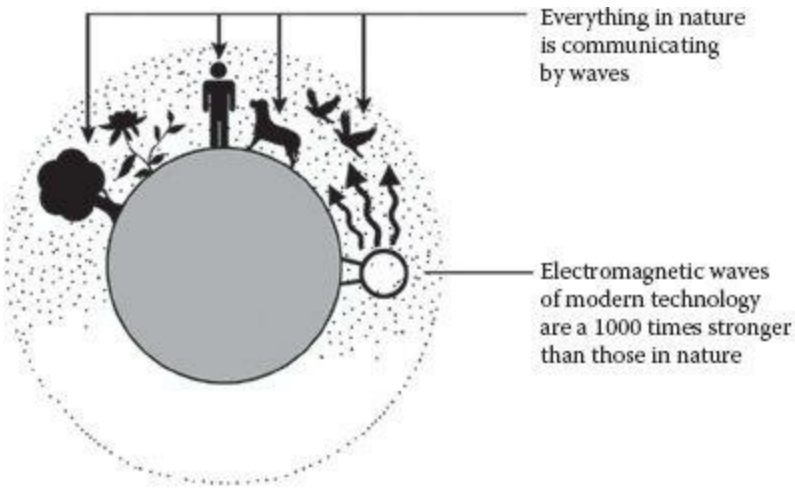


Fig. 15 – Atmosphere is part of the Earth so we are living inside the Earth

There is a continuous exchange of information in the cosmos, the solar system, and the earth, down to the very cell of every living organism (Fig. 15). The man-made electromagnetic emanations that we are putting into the body of the earth are thousands of times stronger than those natural vibrations used for that information exchange. If we put something a thousand times stronger in that atmosphere, the information flow is disturbed, like *a breeze trying to flow through a storm*. While we strive to reduce known pollutants in the environment, we are still constantly increasing the huge amount of electromagnetic emanations in the atmosphere.

If we limit the use of modern technology in our lives to a minimum, as some communities are doing, we are still not safe,[10] because these electromagnetic waves of the era of information are everywhere. If we want to avoid the electrosmog pollution of the earth's atmosphere, could we go to the top of the Himalayas, or live in the depths of the ocean? The answer is No! Waves from all forms of wireless media in our environment are passing through our bodies all the time. These waves are what we call 'carrier waves'. A carrier wave is a penetrating wave that can pass through any object. An example of this can be seen in X-ray centers. A doctor has to stand behind a lead shield when taking an X-ray of a patient, so as not to expose himself to the rays that penetrate the patient's body. Although these waves are directly pointed at the patient, they affect the whole surrounding space. X-rays are carrier waves, which penetrate through nearly everything.

In the new age of information, the media uses electromagnetic waves to carry visual and auditory information. We usually categorize the effect of

waves on living systems by their ionizing effect. Ionizing radiation, such as x-rays and radioactive radiation, produce changes in the environment and are considered harmful. Visible rays that we perceive as colors, as well as microwaves of television, radio and mobile communication are non-ionizing waves. That means that they do not produce any changes in the environments they pass through, and are therefore considered harmless. This, however, is only true if we consider the quantitatively measurable changes. On the subtle energy level, there are changes in the quality of the effect on living energy systems. The ranges of electromagnetic waves used by the media have qualities similar to X-rays, but on different frequencies. They both have penetrating and information-carrying qualities. Qualitative effects, in contrast to quantitative ones, are not restricted to any vibratory ranges; they repeat themselves in all vibratory ranges from zero to infinity. We call this phenomenon 'Resonance'. The 'science of Harmonics' deals with such phenomena as resonance, and the mathematical ratios behind them. The most obvious example that expresses the laws of Harmonics can be found in music. We will, therefore, look at some aspects of musical harmonics to understand how abstract qualities prevail in all vibratory ranges[11].

In simplified terms, a musical string when struck will vibrate and cause every string half or double its length to vibrate with it. This phenomenon, referred to as 'octaves' will repeat itself along the whole range of strings of a musical instrument. A musical note of a certain string length, has the same quality that we identify as a certain note even though it sounds different on a higher or lower octave, which is why in the tonal system the notes are cyclical beginning with a Do/C ending with a Si/B and then restarting with a Do/C. *A musical note is the brain's way of expressing the effect of the sound waves on our biological energy system*. This is generally the way the senses work, each with its own scale (sound, color, touch, smell and taste) of expressing the effect from a specific vibratory range.

As the Resonance phenomenon of string lengths applies to the wavelengths of the sounds they generate, it also applies to all other types of waves. In electromagnetic waves for example, we will find that the subtle quality effects of a penetrative carrier wave will repeat themselves in all vibratory ranges, whether ionizing or non-ionizing; and are not confined to certain ranges as with the quantitative effects. Applying the science of Harmonics to all types of waves in our modern technology will open new horizons of understanding the qualitative effects and enable us to achieve

harmony in our environment and greatly reduce health hazards.

W*e are concerned about being exposed to X-rays, but are not aware that we are, in fact, already being bombarded by a weaker, but continuous type of radiation that is non-ionizing, yet still produces on a subtle energy level, qualities similar to those produced by X-rays.* Health problems from quantitative effects are measurable, but on the qualitative level the effects are very subtle, and are hidden in an unperceivable background echo (minute levels of electromagnetic, as well as non-electromagnetic waves) that take a long time to affect a living energy system. Our immune system still has to work hard to cope with this subtle qualitative bombardment, as with the quantitative changes from X-rays. Electromagnetic emissions are today exhausting our immune system with their constant low-key quality effects. We can see this clearly in the rise of immune-related diseases ranging from allergies to cancers, or brain disturbances such as Alzheimer's disease and Epilepsy, or psychological and social disorders such as Depression, Attention Deficit Deficiency Disorder (ADD), Autism, Schizophrenia and psychotic behavior, or simple apathy. Other problems such as Tinnitus, Rheumatism, high blood pressure and irregular heartbeat, are also on the rise[12].

If we keep putting more and more electromagnetic emanations into the atmosphere, one day all immune systems will collapse. Humans, animals, plants, and all forms of life will die out. We cannot stop the Age of Information. The benefits of that age are too convenient. Even so, if we are all dying from electromagnetic pollution, we will probably switch on our television and mobile phones to know the number of casualties, and watch the end of the world on TV. There is something wrong with all this; something is definitely out of balance! Can we modify the Age of Information? Will including new qualitative criteria into the equation change the outcome? Let's go back gradually in time to Ancient Civilizations and learn from them. Maybe, *if we can reprogram the qualities of electromagnetic radiation, we can find a way to turn this around*.

Learning from Recent Experiences

At the beginning of the 20th century, when cancer research was in its infancy, the farmers in Germany believed that harmful earth radiation was a main cause of cancer and that it could be avoided. Their wisdom was based on

observation that went back thousands of years. For example, they would say, “We can tell when we look at a tree if it is a sick tree; if it has deformed tumor-like growth or is crooked, it is a cancer-affected tree on a harmful spot. We observe where our livestock grazes; if they develop health problems that can be observed in lack of milk, stillbirths or distortion in the liver organ meat pattern, then we know that they are grazing in an area with harmful earth energies.”

Throughout history, farmers in Europe were aware of earth radiation and related phenomena. Besides simple observation, they relied on the help of some special people who preserved ancient knowledge and methods of detection. Those people were known as ‘Augures’ in Roman times, and are referred to today as ‘Dowsers’. They helped the farmers avoid noxious energy spots, located underground water veins, and found safe places to graze animals, or determine the best location to build their barns and homes. Their awareness and interaction with earth radiation became an integral part of the farmer’s culture in Europe.

Gustav Freiherr Von Pohl, a German scientist, decided to investigate this assumption in 1929. He chose two towns in Germany, Vilsbiburg, which had the highest cancer death rate in Bavaria at the time, and Grafenau with the lowest cancer incidences. Von Pohl charted the locations of all cancer cases. The results were astounding; he found that cancer cases were clustered in patterns, 80% of them were squeezed into 10% of the area. The numbers of cancer cases were not the same in both towns. The industrial town had a higher percentage of cancer, while the other town, away from any industry, had a significantly lower percentage of cancer. However, both towns showed the same clustering of cancer cases. This was a clear indication that the problem was related to certain locations. The results of Von Pohl’s study were an eye-opener that made people aware and alarmed, so they began to listen[13]. In some parts of Europe, it is a common practice before building a house to determine the areas of harmful earth radiation, to avoid building on them. In some towns in Poland for example, there are signs posted in certain areas, which are similar to traffic signs that warn people to be aware of dangerous earth radiation.

Scientific Investigation of Power Spots

As researchers gathered information about underground stream crossings, they detected some spots that had very strong earth radiation similar to what was found in cancer-promoting spots. However, it felt different. Upon closer examination, they found traces of ancient temples there indicating ancient worship activities. These sacred places, which were subtle energy power spots, emanated a special kind of harmonizing *spiritual energy*. Since remote antiquity, humans identified these spots, marked them and created their monuments, starting from the erection of megalithic stone blocks in the form of Menhirs (Fig. 16) and Dolmens (Fig. 17) to the magnificent temples, old churches and mosques (Fig. 18).

Fig. 17– Dolmen

Fig. 16 – Menhir

Fig. 18 – Church and mosque in Luxor temple

When we speak of *spiritual energy we are referring to the highest form of energy quality (BG3) in the Earth's energy system that creates balance on all levels, producing harmony in the Divine laws of nature.* It is a form of energy quality that we feel during deep prayer, a sort of connection to another dimension. It transcends our time and space perception, and cannot be perceived or accessed directly.

The 'Spiritual Energy' emanating from these power spots is usually the result of underwater crossings at certain angles, which create a sort of vortex or doorway that connects to a spiritual dimension and imparts its qualities to the energy of the vortex within our time-space framework. Resulting in a Spiritual Energy Quality that is slowed down to a speed that we can access. This is very much like the intermediary role played by the plant kingdom in its ability to transform the sun's energy for our use. Similarly, the quality of higher spiritual dimensions within spiritual energy has to be accessed through resonance with its occurrence in nature, as in spiritual power spots, with certain rituals to support it.

The special energy quality that we find in beneficent power spots has been found to have holistic healing properties, acting on the physical, vitality, emotional and mental levels, and can be found in natural healing or sacred spots all over the world. Lourdes and Chartres in France, the Ancient Egyptian temples with their sacred lakes, and basically most of the old temples, churches and mosques are found on such power spots.

Mecca, in Saudi Arabia, is the oldest known sacred spot of humanity. The

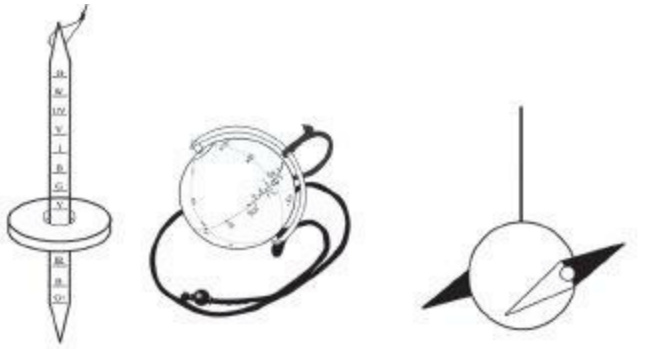
water of the ‘Holy Spring of Zamzam[14]’ in Mecca, is accredited with this very strong healing energy quality. While Mecca is the center of worship in Islam, we also find much earlier biblical reference to it in the Torah and in older translations of the Bible (Psalm 84 NIV) where it is referred to by its old name ‘Bakkah’. That is why we find ‘Mecca’ commonly used metaphorically to mean any important site, holy or secular. The history of the biblical prophet Abraham tells us that he discovered the old foundations, which probably dated back to the time of the great flood in the story of Noah. In the traditions of the area, we find that it was Adam who found the spring, while his son ‘Shet’ was the first to erect some form of primitive edifice on it (Fig. 19).

Fig. 19 – The sacred well of Zamzam in Mecca

Dowsers in ancient times had the knowledge and skills which enabled them to locate positive and negative earth emanations. In dowsing, they used an ingenious technique to show the reaction of the body to underground water streams. They split a tree branch to form a twin fork (Fig. 20). When held with both hands, the free end would protrude with a specific length like an antenna. Since the human body is made of 70% water it will easily enter into resonance with other water sources. This would cause the twig to vibrate whenever the person crossed over underground water streams. Most power spots, good or bad, are found above underground stream crossings. During our work in the electrosmog projects in Switzerland, I found that dowsing techniques were still widely practiced by many rural farmers.

Fig. 20 – Medieval Dowser

In an attempt to refine the dowsing technique to become a measurement tool, several researchers in Europe developed a method based on a new type of physics that could differentiate between vertical and horizontal wave components using measurement tools with calibrated qualitative scales. These pendulums or antennas work according to a scientific physical technique referred to as 'Physical Radiesthesia' which uses qualitative scales, harmonic string lengths, angles and polarities, instead of the traditional psychic mental methods that were basically a dialog with the subconscious, which are part of dowsing or 'Mental Radiesthesia'.



Virtual Cone and Universal Pendulum of Chaumery and De Belizal

Magnetic Needles Pendulum of Turenne

Fig. 21 – French 'Physical Radiesthesia' pendulums

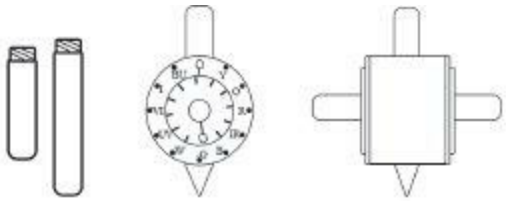
In the early 20th century in France, Leon de Chaumery, Antoine de Bélizal, Morel and Louis Turenne developed such special pendulums (Virtual Cone, Universal Pendulum of Chaumery, and the Two-Magnetic-Needle Pendulum of Turenne) (Fig. 21). These French researchers developed many types of sophisticated physical pendulums, but their Cone Fictif (Virtual Cone) remains until today one of the simplest and most ingenious pendulums designed. It allows easy differentiation between the horizontal (magnetic) and vertical (electric) wave components[15]. In Germany, Anton Schneider developed the Lecher Antenna (Fig. 22), an instrument based on the double antenna principle of Lecher, which can be adjusted to the wavelength

corresponding to what one wants to detect. The ACMOS Antenna in France[16] (Fig. 23) and the Luedeling H3 Antenna[17] (Fig. 24) in Switzerland, are the latest development of this principle. The Virtual Cone pendulums measure the energy-quality effects of waves on our energy system, while the Lecher antennas detect actual wave lengths. The BioGeometry instruments for the detection of subtle energy quality are based on the science of Harmonics and the qualitative scales of the Physics of Quality expressed as the angles on a 'Polarized Dial', placed horizontally (magnetic) or vertically (electric) on the instrument. The shapes of the pendulum-based instruments are designed according to the geometric resonance with the level of research (Physical, Vital, Emotional, Mental etc…) The instruments can be calibrated to the different levels through corresponding geometrical attachments (Fig. 25). Special metal rods of different dimensions are calibrated to resonate with the wave lengths of the different types of earth energy grids, and other earth energies as well as EMR emanations.

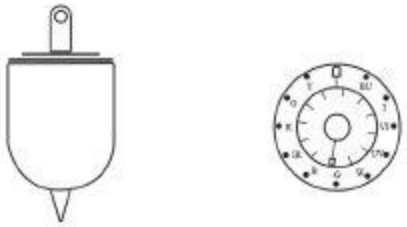
Fig. 22 – The original Lecher Antenna

Fig. 23 – The ACMOS Antenna

Fig. 24 – The Luedeling H3 Antenna



BG Vertical quality-component pendulum



BG Horizontal quality-component pendulum

IKUP universal pendulum and BG3 emitter

BG3 pendulum and emitter

Fig. 25 – A sample of BioGeometry tools

It is important to know that not all power spots are beneficent; some could actually be very dangerous and this I know from first hand experience: A few years ago I read in a book about power spots in Switzerland by Blanche Merz. I read that the strongest earth energy emanation in Europe was found in a power spot in the area of Forch in Zurich[18]. It was only a few kilometers away from Witikon, where we lived. The book said the spot was in the middle of a farmer's field. It was surprising that there was no mention of a church, or any famous sacred site there. If this was really the strongest power spot in Europe, we should have found an old church there, and people would

have known about it. I felt skeptical. My wife and I went to the spot and found that the trees there were so crooked that any farmer would have known that this was an area of harmful energy quality. Even though, we only stayed for a very short time to take some measurements, we both felt very nauseous for a number of days to follow due to the direct resonance through the measurements.

Researchers using the measurement devices of the French scientists have found that harmful spots had both horizontal (magnetic) and vertical (electric) wave components of one particular energy quality named 'Negative Green' by Chaumery and de Bélizal, because of its location on a sphere opposite to the green quality. This energy quality has the attributes of penetrating carrier wave properties. In other words, we can say for example that *media waves, x-rays, and radioactivity all have a Negative Green energy quality.*

Negative Green

To understand what Negative Green is, let us take the earth which is nearly a sphere. The sun is the light source sending its rays to the sphere of the earth. *The angle at which the sun's rays hit the earth varies in accordance to the position of the earth rotation. This produces different subtle energy qualities that we categorized on a qualitative color scale based on the effects they produce on our subtle energy systems.* This qualitative relationship between colors and angles is similar to what happens when light goes through a glass prism and the different frequencies are refracted in different angles which then become visible as different colors (Fig. 26). The part of the earth facing the sun is in the light, while the opposite side is in the shadow. Light that is not reflected penetrates the earth and comes out from the shadow side opposite the sun. This whole gray range between the white and the black colors[19] as seen on the diagram is what we call 'Negative Green' (Fig. 27).

Please understand that when we talk about Negative Green being opposite to the green on a sphere, we are not referring to the color green. *What we are referring to is a certain quality of energy that is found within, and also beyond, the color frequency range, and is repeated in all ranges of vibration*. When the sun's rays hit the earth vertically, at mid-day, and we measure the energy quality at that point in relationship to our body, we will find that it is in resonance with the energy quality of green. We call it green

because it is in resonance with the visible green color. We would feel it as the same quality as green, but on another octave with a different frequency. Expressed color-wise, green would be perpendicular under the mid-day sun in the middle of the color range (Fig. 27).

Fig. 26 – Refraction of light through a prism.

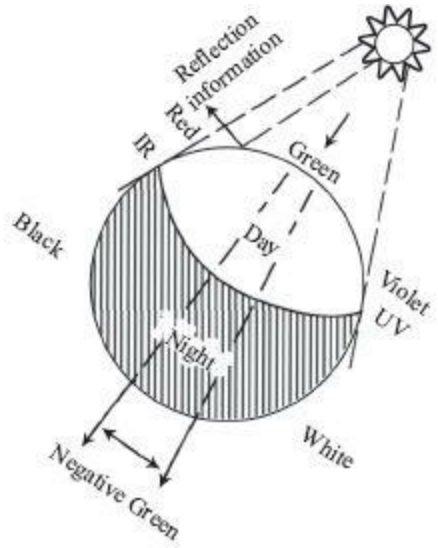


Fig. 27 – Radiesthesic color distribution on a sphere

In the early morning to one side of the green we can detect blue, indigo and violet. On the other side of the green in the afternoon, we detect the yellow energy quality, then the orange and red at sunset. These are all color qualities produced by reflected rays from the sun. What is not reflected is either absorbed, or penetrates the earth coming out from the other side. *What comes out in the area of shadow on the opposite side of green is beyond the visible color range.* On the boundary between light and shadow on the sphere, we find ultraviolet quality beyond the violet range, and the infrared beyond the red.

What is happening in this area of shadow (night), is that any type of energy that does not get reflected or absorbed and can penetrate through

objects will come out through this area. This is what we call a *penetrating carrier wave*. *The Hertz waves used in the media, as well as X-rays, and also some types of longitudinal waves are, such carrier waves*. In general, all types of waves with penetrating carrier wave properties on all other octaves or levels of energy emanating from the area of shadow or night would have the Negative Green quality.

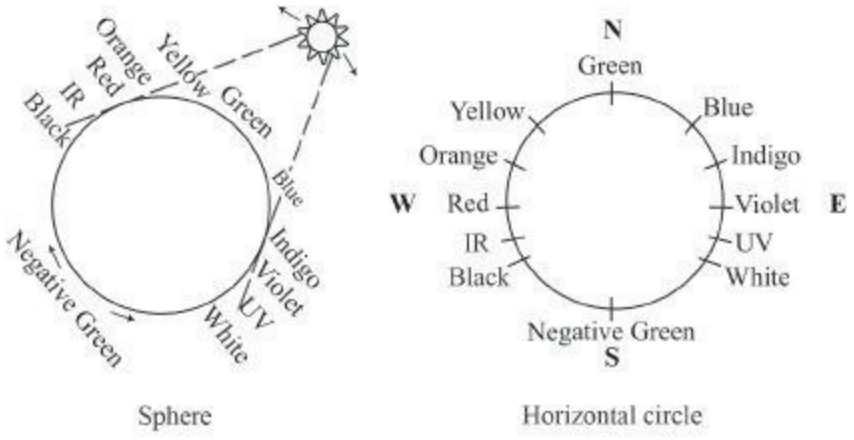


Fig. 28 – Distribution of color in Radiesthesia

Chaumery and de Bélizal, the French scientists we mentioned earlier, were the first to discover this quality of energy. They named it 'Negative Green', just because it lies opposite to the green color quality as detected by instruments of Physical Radiesthesia on a sphere in relation to the sun, or on a circle in relation to the magnetic North of the earth (Fig. 28).

We have seen how waves in nature, in their complete forms move on two planes perpendicular to each other (Fig. 12). They can be rotating in either direction along the line of movement, or moving without rotation, and in certain cases show only one of the two components: vertical (electric) and horizontal (magnetic). Our body's cells react favorably to the horizontal component. When the vertical aspect of Negative Green is present, it disturbs the energy of our cells. If you have this quality of Vertical Negative Green in your body, it is often an indication of disturbance on the subtle energy level. It is one of the main causes of cancer and other immune system deficiencies.

It is very important to have a clear understanding of the Negative Green quality components of the wave, i.e. the vertical (electric) and horizontal (magnetic) and to be able to differentiate between them. The subtle qualities by which the wave affects other energy systems are influenced by the effect of the vertical and horizontal components of the wave, as well as by the shape

of the wave itself. This is expressed as the proportion of the amplitude to the wave length, which determines the angle at which the wave crosses the horizontal central axis, determining the shape of the wave. These two factors apply to all kinds of waves. Whether we are speaking of electromagnetic transversal waves, or nonelectromagnetic longitudinal waves (Sound, Scalar, Torsion), it is the plane on which the wave moves and also the shape of the wave that influences its effect on us.

When speaking of the energy quality of shape, we are dealing with both 'compression longitudinal waves' created by the shape's interaction or motion in its environment, and the 'electromagnetic transversal waves' of light reflected on the surface of the shape.

There are some shapes such as pyramids, hemispheres and cones, which have a special energy quality configuration. Those shapes have a Negative Green energy quality emanating from their base (Fig. 29). The Negative Green in this case radiates both horizontal and vertical quality components. Such shapes are dangerous as they emit very harmful radiation. They are common shapes that we encounter every day and if not modified properly, can be very harmful. In ancient times, the builders were aware of the properties of these shapes and could cancel the detrimental effects of these powerful shapes with minor adjustments.

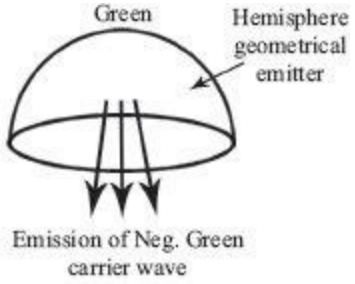


Fig. 29 – Shape energy emission

In Ancient Egypt for instance, they put sugar in elongated coneshaped wrappings ('quortaas' in Egyptian) with special proportions to ensure that only Horizontal Negative Green was produced to drive away the ants, with no harmful side effects. This is an ancient tradition that can still be found in the villages today. Our research has shown that ants are attracted to the Vertical Negative Green, confirming the well-known fact that ants build their colonies on spots of harmful earth radiation. The ancients used this observation to avoid such spots when choosing the locations of their buildings. As a general rule, if we detect any sector of the Vertical Negative Green in our body we

have to get rid of it. It could be an impregnation due to an extended stay in a spot with harmful earth radiation, or prolonged use of electrical and cellular devices etc… Whatever the reason, we should clear this Negative Green out of our body straight away by stretching the hands up as antennas, walking in the sun, having a shower, eating salt or getting sprinkled with it, diluting some salt in a small bottle of water and keeping it in our pocket, or having a swim in saltwater. In case of disease where Negative Green is coming out of the cells of an organ, it is a more difficult task.

Usually, when Negative Green is found in nature, it is found in its totality, both with the vertical and horizontal components.
In sacred power spots however, we only detect the quality of the horizontal wave component. *That means that in those spots, our bodies react only to the horizontal wave component because we are detecting using qualitative methods that show the effect of these waves on our energy system, and not their actual existence.* Plants, human beings, and most animals usually show only the horizontal. When the sun's radiation is reflected on the moon, the qualities of its rays are modified and we are only affected by the horizontal quality. When the sun's radiation hits the earth directly we get both the horizontal and vertical qualities except when they are reflected and modified in quality by some plants and natural materials, in which case, we only detect the horizontal component.

There is an energy quality coming from the sky, referred to as 'Star Energy' in Radiesthesia, which neutralizes the Vertical Negative Green. Raising the hands up over the head for a moment will capture this energy and clear our body of any Vertical Negative Green. This is a very beneficent posture to perform from time to time, as the harmful radiation from the earth and electrical devices are usually channeled by linear objects especially metals and plastics. It can also impregnate many materials giving a secondary scattered Negative Green environment. Sun flares, earthquakes, cyclones and tornadoes are usually accompanied by a Vertical Negative Green emanation. This fact could help us in early detection of those hazards of nature.

By canceling the effect of the Vertical Negative Green quality on our subtle energy system through the creation of the three components of spiritual energy BG3 (recreated by BioGeometry shapes), we are introducing balance into nature and enabling the natural divine laws to create proper harmony. Any other method of geometric emission will cause imbalance in nature if applied in a continuous manner. In agriculture for example, we only use

BioGeometry shapes that will not affect microbial life and allow every life form its special place in a balanced ecosystem, thus letting the wisdom of nature bring harmony and balance to the environment (Fig. 30 & 31).

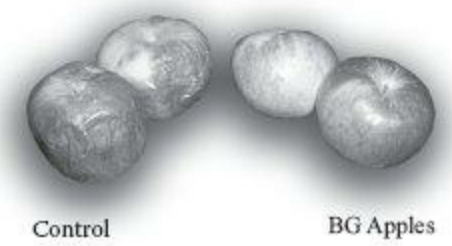


Fig. 30 – BioGeometry Apple Project, University of Wageningen, Holland

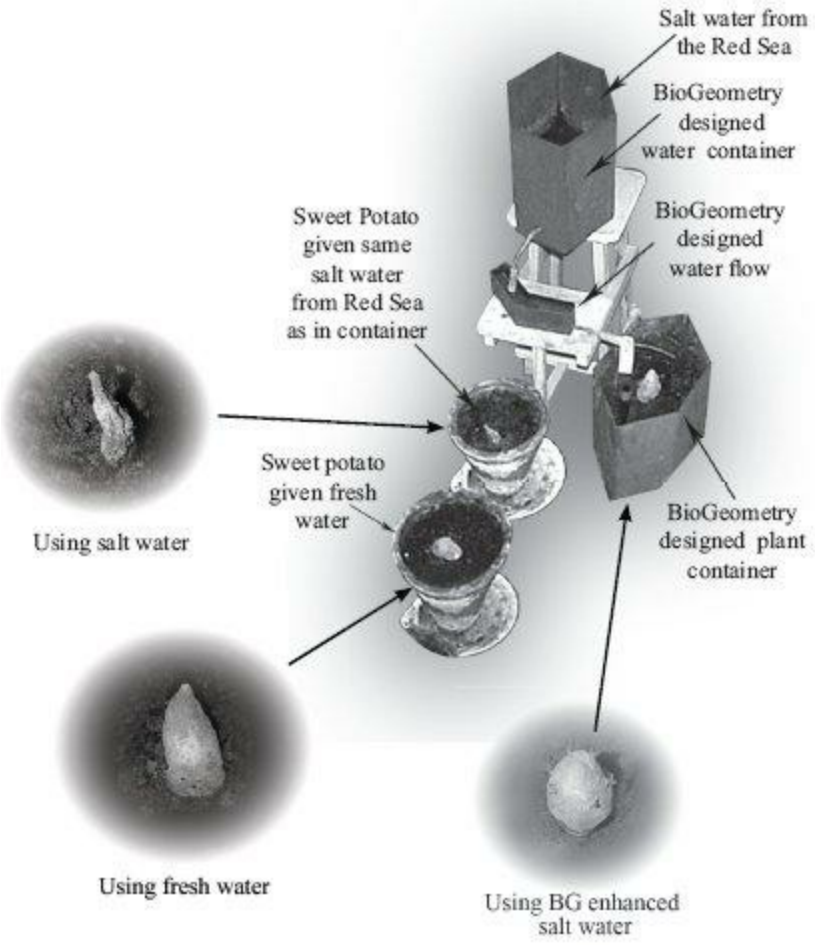

Salt water from the Red Sea
BioGeometry designed water container
BioGeometry designed water flow
Sweet Potato given same salt water from Red Sea as in container
Sweet potato given fresh water
Using salt water
BioGeometry designed plant container
Using fresh water
Using BG enhanced salt water

Fig. 31 – Salt water irrigation research

Pyramids and Negative Green

Chaumery and de Bélizal have found that certain shapes emit a Negative Green quality. Hemispheres and pyramids emit a very powerful Vertical and Horizontal Negative Green quality from their base.

In geometry, a hemisphere can circumscribe a pyramid shape. In this case, the pyramid and dome shapes are geometrically and energetically derived from the hemisphere, which is an incomplete part of the harmonious shape of a complete sphere. Splitting the sphere causes it to emanate a carrier wave of radioactive quality from its base. In terms of energy emission, a hemisphere and a pyramid are energetically equivalent shapes, even when the pyramid apex is lower or higher than the top of the hemisphere (Fig. 32).

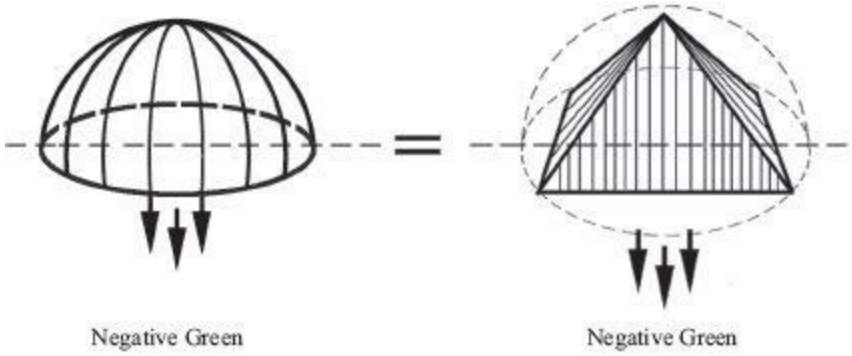


Fig. 32 – Geometric subtle energy emitter

When a pyramid is placed on a power spot, it is meant to reinforce the power of that spot. A correction needed to cancel the Vertical Negative Green component must be applied. A beneficent power spot with strong emission can often cancel the harmful effect of the unmodified pyramid or dome placed on it. It is, however, much more effective, and also safer, if the shape of the pyramid or dome is properly corrected to cancel the Vertical Negative Green (Fig. 33).

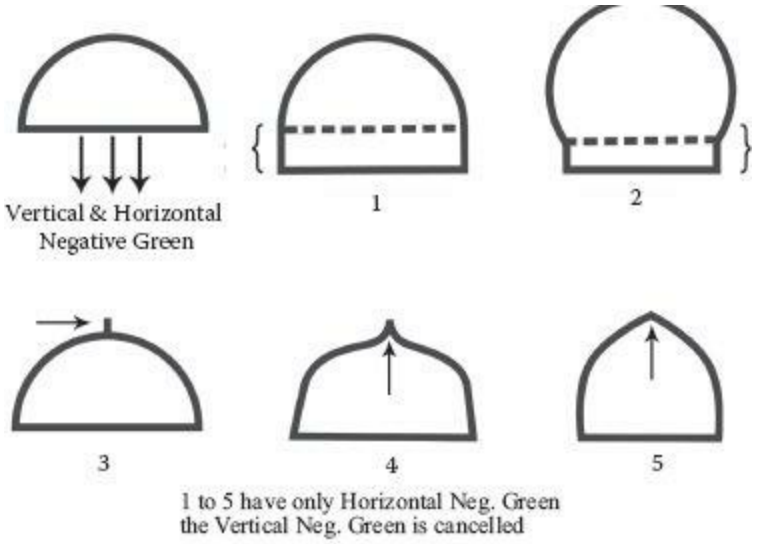


Fig. 33 – Dome solutions

There are several ways to cancel the effect of Vertical Negative Green. One is found in the bent pyramid in the area of Dahshur near Saqqara about 20 km south of the Great Pyramid of Cheops. It has a change in the angle of inclination that seems to cancel the harmful component of the Negative Green (Fig. 34). The bent corners are usually attributed to construction needs, but in any case they produce a positive energy quality effect.

Fig. 34 – Bent Pyramid of Dahshur

We can find another very interesting solution for modifying the Negative Green vertical energy component in the Great Pyramid of Cheops; there, a very subtle indent in each of its sides was applied. This was first observed in a picture taken by the British Air Force in the 1930s. In that picture, we clearly see the shadow emphasize the indent when the sun rising from in the East is parallel to the northern side of the pyramid.

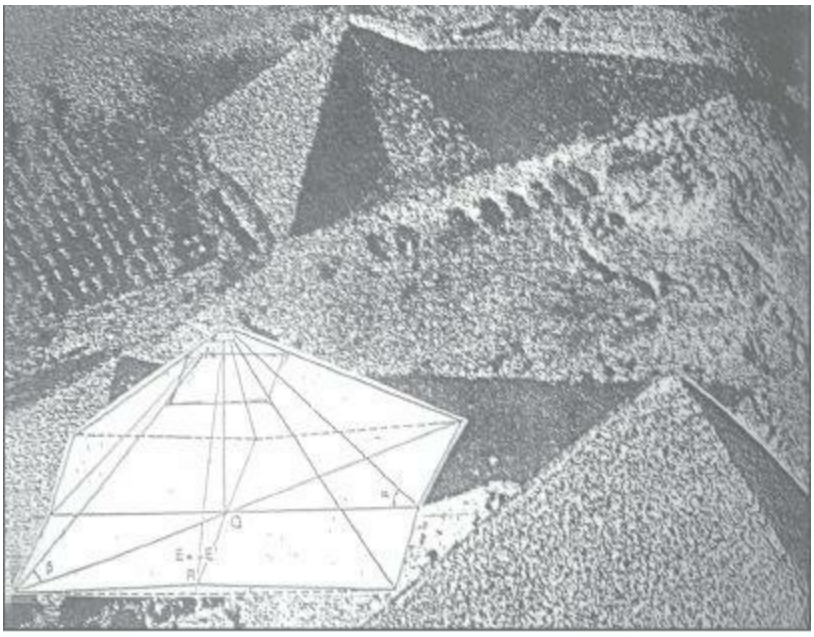


Fig. 35 – Great Pyramid showing emphasized indent of sides

The main orientation of the Cheops Pyramid is North-South, East-West. At sunrise on the 21st of March, it looks as if the pyramid is split (Fig. 35). One half of the pyramid face would be in the shade, and the other half would be in the light. This splitting was intentional and it sheds light on something of great importance. The base of the pyramid is actually a 4-pointed, 8-sided star. A star is a rotational figure, whereas a square is not. This star shape cancels the vertical component of the Negative Green created by the overall shape of the pyramid, and creates the beneficial Horizontal Negative Green. Moreover, it generates Higher Harmonic of Ultraviolet and Gold, making it a shape that produces a harmonizing Spiritual Energy Quality detected as BG3. This means that the builders created an angelic atmosphere of spirituality to enter into resonance with the similar components of energy quality of the power spots, on which it was built, and produce an amplification of that energy. The proper geometric configuration resonated with the spiritual life attributes, which are an integral dormant aspect in all forms of energy and *the building became alive.* A building manifesting living energy attributes enters into an exchange of information on the physical, vitality, emotional, mental, and spiritual levels with its environment and its users.

From Power Spot to Town Planning

Let us imagine how at the dawn of humanity, primitive man with his accrued natural senses, would have found and interacted with an energy power spot. Primitive man was a hunter living in harmony with nature. When he saw an animal, he saw the totality of that animal, including the subtle light surrounding it (halo or aura). When he speared a wild animal he watched and waited till the animal became weak. He noticed that a wounded animal would often attempt to go towards a particular spot. This place usually had natural springs and flourishing healthy vegetation. In that spot, the animal was rejuvenated and actually sometimes recovered its strength and healed. The cavemen started to bring their sick to these spots of healing energy, and those spots became sacred to them.

As early as 30,000 years ago, ancient man marked healing power spots with megalithic stones that sometimes weighed thirty tons or more. These are referred to as 'Menhirs' (Fig. 16) and 'Dolmens' (Fig. 17). Archeological findings indicate that these sites were usually recognized by different cultures and religious traditions. Remnants of different structures being built over and over on the same spot often date back to prehistoric times[20] (Fig. 18). Fortunately, not all spots where Menhirs or Dolmens once stood were built over; there are some places all over the world where we find those ancient structures or their remnants still standing like Carnac in France or Avebury and Stonehenge in the United Kingdom.

Some of these stones were brought from locations hundreds of kilometers away. Since in most cases these people had quarries close by, why would they have gone through all the trouble of hauling a particular type of stone over great distances, sometimes for over five hundred kilometers? They must have been looking for a type of stone with special qualities.

In Egypt for example, we have ample sandstone in the mountain ridges not far from the Giza Plateau, where most of the pyramids and temples were built. However, alongside the use of local stones, the Ancient Egyptians brought in large granite blocks from Upper Egypt far to the South, to use in certain parts of their monuments, or as Obelisks (Fig. 36) to be erected on power spots. This was done for the specific purpose of amplifying the energy quality effect, as the energy of the power spot is channeled into the Obelisk or granite parts of the building. The high density of quartz crystals in the granite reflected the waves and entered into resonance with the energy of the power spot to emanate specific frequencies[21].

Fig. 36– Obelisk

Fig. 37– Mosque minarets

An Obelisk is a more advanced type of Menhir. Besides using the particular stone quality of granite, it was cut according to certain mathematical proportions to produce special sound frequencies; *these principles were further developed in the architecture of church towers and mosque minarets, where the height of the tower, its horizontal divisions, openings, and shape of the capital, as well as the material and location on a power spot, created a symphony of harmonic interactions with several frequencies 'programmed' into it* (Fig. 37). The height of the tower determined the main wave length, while the horizontal divisions were dimensioned to access other wavelengths. The openings of the windows worked the same way as the holes in a flute, where dimensions and distances create special sound qualities. The basic

concept, however, has evolved from Menhir, via Obelisk, to Tower and Minaret.

The cavemen were perceptive enough to find the proper hard stones with high quartz content and erect them on the power spots. As time went by, they started settling around the area. They wanted to live in this strengthened and expanded energy quality of harmony and so they concentrated their activities and built their cemeteries, and later on, temples and lodgings, around that stone. From here emerged the concept of the village or the town with the power spot at its center.

Ancient Town Planning

The idea of the power spot as the central point of all the activities of the community in the primitive settlements became the focal point of town planning. The temple was built where the megalithic Menhir stood in earlier times, and this became the focal point from which the whole plan of the town radiated. These central spots were located at the intersection of several earth energy straight paths known as 'Ley Lines' (to the Chinese they were the 'Dragon Currents' and to the Australian aborigines they were the 'Dream Paths'). The points at which the Ley Lines cross are called 'Ley Centers'. At certain spots when Ley Centers were superimposed on underground stream crossings they created a powerful energy vortex in the form of an ascending spiral with a clockwise rotation (Fig. 38). This is the type of configuration that is typically found in beneficent power spots and usually has a spring well with a healing water quality.

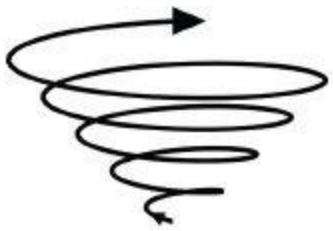


Fig. 38 – Beneficent energy vortex with positive clockwise rotation

Since ancient times, the Leys were recognized as *energy paths*, and upon connecting them we have what later became known as 'Pilgrimage Paths'. Along these trails, sanctuaries, temples, shrines, cemeteries, and water

reservoirs were built. Our measurements in BioGeometry confirmed that most of these Ley Lines have the same subtle energy quality as power spots, and are to be considered sacred paths in their own right.

In Roman times, they built long straight roads on Ley Lines on which the armies marched, in order to energize the soldiers along the way. One such famous pilgrimage path is along the Santiago de Compostela Camino, in Spain. This 500-mile trail going across mountains, valleys, towns and fields, is a very old sacred pilgrimage route. A journey that has been undertaken by such famous personalities as St. Francis of Assisi, Charlemagne, Dante and many others. The renowned actress Shirley MacLaine has revived the interest in this ancient tradition with her best seller book 'The Camino'.

In ancient times, town planning was actually a system of distribution of the sacred harmonizing energy quality to reach and influence all activities. We can imagine a pattern that connects the main power spot to the secondary power spots as forming the main roads. The most powerful spot was reserved for the temple with the teaching and healing institutions connected to it, so as to ensure the prosperity of the community through 'Divine intervention'. The next power spot would be set aside for the palace of the king who, in a theocratic system, was considered the link to the invisible spiritual world, and was revered as a semi-divine being. The court house, the main water reservoir, the market place, statues, obelisks, squares and fountains all found their place on secondary power spots (Fig. 39). In Ancient Egypt, Greek and Roman times, the two main paths crossing at right angles in the central power spot were called 'Cardo' and 'Decumanus' and formed the axis of the dome of the sky over the town[22] (Fig. 40).

Fig. 39 – A sample grid alignment in planning the ancient Aventicum presently "Avanche" in Switzerland

Fig. 40 – Cardo and Decumanus of the city of Alexandria, Egypt

After the main layout of the town was defined along the Ley Lines radiating from and connecting the power spots; came the second level of subtle energy

planning, which followed the earth's subtle energy grids. The subtle energy grids of the earth are a phenomenon that was known in ancient cultures. There are many indications that the ancients aligned their temples on the grids, and also designed the plan using the earth energy grids as a modular system on which all the details of the plan were based. These earth energy grids rise to considerable heights in the atmosphere, which is the reason that some practitioners of Radiesthesia refer to them as 'atmospheric strips' or 'atmospheric grids'[23]. Several researchers today support the theory that the earth's energy grids are a form of longitudinal Scalar waves' (Meyl).

The two most important earth subtle energy grid systems in Ancient Architecture are those of 'Hartmann' and 'Curry'. The Hartmann Grid Lines flow in a near square pattern of around 2 x 2.2 m., in the North-South and the East-West directions (Fig. 41). These energy strips are about 20 cm. in width, and about 2 m. in height, at which level they meet a horizontal plane around 20 cm. thick. These planes were often used for horizontal alignments in buildings. This pattern repeats itself to form a cube system of approximately 2x2x2 meters. Every 10 m. in both directions, we find wider single or double strips (zones). Superimposed on the Hartmann Grid, we find what is called a 'Benker Cube System' of approximately 10x10x10 m. (Fig. 42). In the diagonal direction to this system, we find the 'Curry Grid' system forming approximately 3.5 x 3.5 m. diagonal squares (Fig. 41). However, the above dimensions can vary in different locations.

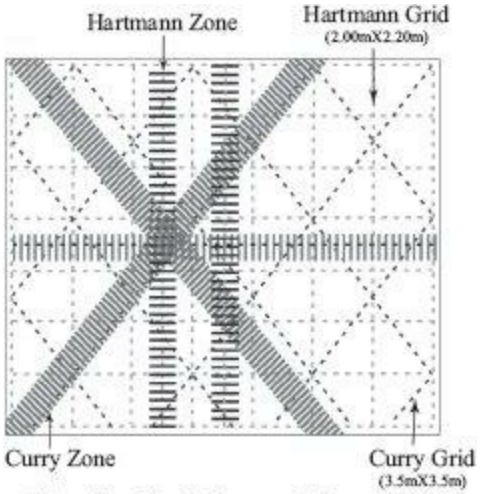


Fig. 41 – Earth Energy Grid crossing

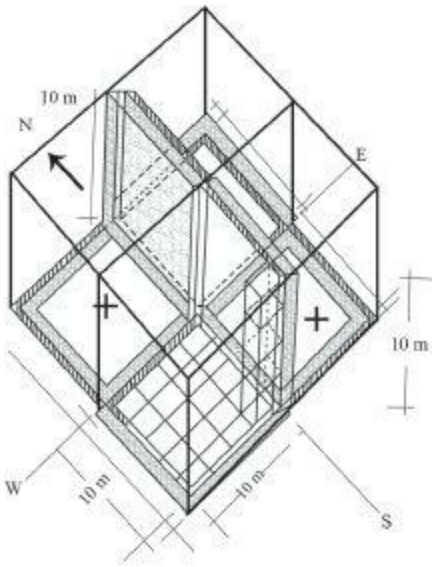


Fig. 42 –Benker Cube System

The Hartmann and Curry Grids carry energy quality as information on their carrier waves. They can transmit any type of information, and are either beneficial or harmful depending on the direction of rotation of the upward spiral energy emanating from the crossing. The earth's energy grids have to be connected to the energy of the power spots or Leys, in order to channel the harmonizing energy quality. Objects that are placed on some crossings could also harmonize the energy of the grids through their material quality or geometric design. Once these earth energy grids are harmonized with the subtle energy balancing quality of power spots, they become a *channel of distribution* for that energy. *The Earth's harmonized energy grids were then used as a modular system on which the buildings were planned to the smallest detail.* The walls were placed on the Grid Lines and the columns on the Grid Line crossings. The buildings, in this way, were infused with that harmonizing subtle energy which, besides the wellbeing and prosperity of the inhabitants, also played a major role in the preservation of the building itself through the centuries and millennia. The origin of orthogonal, square and rectangular architecture was a natural one as the buildings grew out of the grids of the subtle energy system of the earth (Fig. 43). The secondary streets were also placed on the harmonized Grid Lines. Using the Leys and Grid Lines as avenues and roads, accentuated *the flow of the harmonizing subtle energy in the whole pattern of the town.*

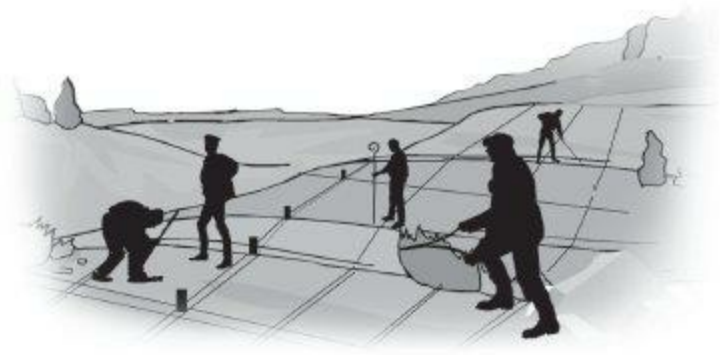


Fig. 43 –Medieval Earth Energy Grid survey

Sacred Sky Locations

The ancient builders furthermore located the subtle energy balancing power spots in the sky, with the same simple methods they used to find the ones on earth. They then connected the power spots on *earth* with the ones in the *sky* through certain geometrical alignments in the design of the building. *The two-dimensional pattern of Ley Lines that connected the power spots in the earth was in this way, developed into a full three-dimensional one.* The town became like a huge crystal that connected the earth and sky power spots, and vibrated with their subtle balancing energy. These subtle energy qualities created a multidimensional connectivity that played a major role in the harmonizing of life's functions on all levels, from the physical and vitality, through the emotional and mental, to the spiritual.

In ancient traditions, such multidimensional portals with these energy qualities were believed to bring healing, harmony, oracles, angelic presence, and supernatural manifestations that gave rise to the rituals and beliefs in which all the activities of the society were anchored. The buildings amplified the energy qualities of the three-dimensional pattern connecting every part of the town and thus created prosperity on the collective as well as on the individual level. In this context, we can have a deeper understanding of how the *Greek historian Herodotus described the Ancient Egyptians as happy, healthy, and religious: reflecting a sense of harmony with the powers of nature.*

There is another aspect of sacred power spots, Leys and earth energy grids that we must also consider. They are alive, in the sense that they had a living relationship with the community. The energy-balancing qualities

existed on the physical, emotional, mental and spiritual levels, and there was a constant exchange of information with the collective energy level of the community of which it formed part of its subconscious. The power spot interacted with the collective unconsciousness of the community and was perceived as an entity referred to as the 'spirit of the place'. Its life and conscious interaction traveled through its veins, which were the Ley Lines, Grid Lines, and Sky Links connected to the energy system of the town or city. From this point of view, we can see the city as a living entity; every city has a psyche and a personality of its own. Humans, animals, and plants in the city are like the living cells in our body. Architects and town planners usually use this concept in a philosophical metaphorical manner, to explain the principles of town planning that include the fourth dimension of time. *But, in BioGeometry we actually work in a practical way with this living energetic reality. The multidimensional qualities of the three-dimensional grid take this whole practically achievable concept to new dimensions beyond our imagination.*

The BioGeometry Energy Key

In our architectural practice, we use BioGeometry not only to study the subtle energy qualities of Earth's Radiation and how to harmonize its effect, but also to study the influence of the flow of energy inside and around architectural spaces or designed objects. There are many planning and design principles that we have developed in our years of research such as: The 'BioGeometry Energy Key' (Fig. 44), which plays a main role in all other BioGeometry Principles like Rotation, Interface, Shifting and Transparency. (See Appendix: Overview of the Design Language of BioGeometry)

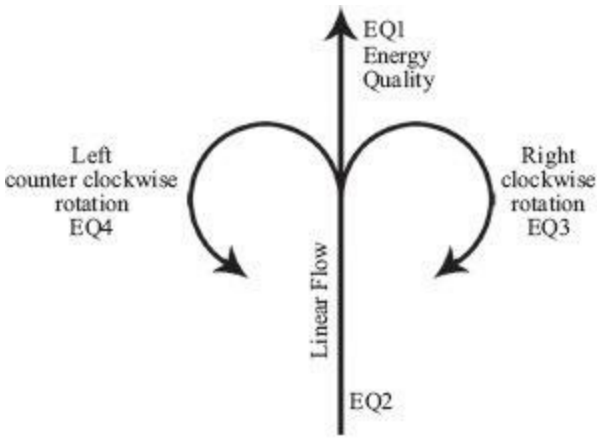


Fig. 44 –The BioGeometry Energy Key

The Energy Key expresses four different subtle energy qualities generated by a one-way linear motion. This Energy Key can be visualized as follows: If we blow horizontally along the surface of the liquid in the center of a cup we will find that the moving central line creates a clockwise spiral to the right, and a counter-clockwise spiral to the left (Fig. 44). A flute when played will produce the same effect on the surrounding air (Fig. 45). The figure thus formed represents the four types of motion creating the four subtle energy qualities of the 'BioGeometry Energy Key'. The first quality is the energy received in front of the motion (EQ1) (Fig. 44), the second is where the linear flow originated and the energy is taken (EQ2). To the right, we have the third quality of energy moving inward in a clockwise spiral (EQ3), while the fourth quality to the left is an inward counter-clockwise spiral (EQ4).

Fig. 45 – Effect of flute on the surrounding air

The energy quality (EQ3) on the right supports growth and can be looked at as rising or expanding while the one on the left is moving downwards into a different dimension with a gathering effect. This upward and downward movement, in a three-dimensional view, forms a rotating doughnut or Taurus

around the central axis of the linear motion (clockwise or counter-clockwise depending on where we are standing). This is the full three-dimensional form of the BioGeometry Energy Key (Fig. 46), which can be made visual when cigarette smokers blow the familiar rings.

The Ancients were aware of these energy principles. In Ancient Egypt for example, we find that the River Nile plays an important role in shaping the quality of energy in all directions around it. The Nile, which flows from the South to the North, creates an energy quality to the right on its Eastern Banks that is supporting life in all its forms and activities. Accordingly, we find very little archeological remains on that bank as the buildings on that side were constructs for the living, and were not meant to last for eternity. On the other hand we find on the Western Banks all the time-defying monuments, funerary temples, pyramids and all that pertains to the afterlife.

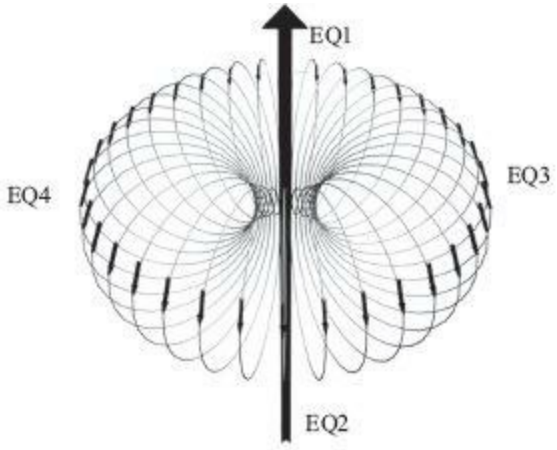


Fig. 46 – Three-dimensional form of the BioGeometry Energy Key

Remnants of the energy-quality based knowledge used in ancient town planning and architecture were preserved as part of a tradition among the workers' guilds that specialized in sacred building. *They were the keepers of the ancient knowledge which was usually encoded in sacred buildings.* Esoteric groups like the Freemasons, whose roots of knowledge go back to Ancient Egypt, and Sufi artisans, were among those disciplines preserving this ancient knowledge in a symbolic form. Parts of this knowledge were applied in the planning of such cities as Paris and Washington at the period of the French and American revolutions[24]. They located the power spots and placed structures, often Obelisks (that were transported all the way from Egypt) on these spots so as to radiate this energy (Fig. 47).

Fig. 47 – Obelisk at the Place de la Concorde , Paris, France

Many of the European towns of Roman origin also show such elements of energy related design[25] (Fig. 48).

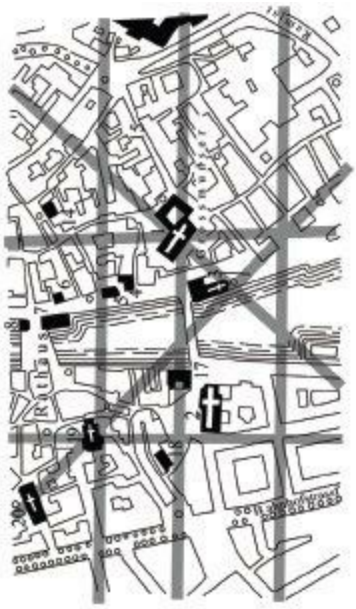


Fig. 48 –Zurich plan showing earth energy related location of churches

In the cities of Cairo and Alexandria in Egypt, we can still find traces of these ancient, town-planning energy design principles.

We find that the locations of some of the sacred monuments used as focal points in the planning are based on power spots. In Cairo, the Sultan Hassan Mosque (Fig. 49) built in 1361 A.D., is a good example of the survival of this knowledge in recent history. The layout of the building changes direction according to the earth energy pattern in the area. *The whole plan is actually adapted, down to the last detail, on the Earth Energy Grids, with the main mausoleum on a sacred power spo*t.

Through the use of BioGeometry we hope to re-activate the power spots in existing towns, create new ones, use the existing infrastructure to channel the harmonizing energy and connect this pattern to the natural Leys, Earth Energy Grids, and Stellar Constellations; forming the three-dimensional harmonizing pattern that will become like a crystal connecting everything in the town into one harmonic resonant system. The town would then play an active role in bringing harmony and ecological balance to the environment that has lost its natural subtle energy qualities due to the pollutants of modern technology. In other words, we would be giving the subtle energy living system of the town a strong, well-balanced immune system that will protect it from environmental threats. This must go hand in hand with efforts to reduce all types of man-made environmental pollutants.

In my research and work with BioGeometry (along with my professional experience in architecture and urban planning), I am constantly deciphering the energy workings at the core of Ancient Architecture and cultural traditions across the globe; from Ancient Egyptian, Greek, Roman or Islamic traditions, to the Far Eastern Feng Shui, and Vastu, which are still practiced and have gained tremendous popularity in recent years. The collaboration between the modern science of BioGeometry and those ancient traditions (which has been ongoing for years, as there are many practitioners of Feng Shui and Vastu studying BioGeometry), is taking these sciences to another level, as the ancient traditions could not deal with all the new types of energy and environmental pollutants that did not exist then. This cross-cultural reference of harmonizing living spaces provides a very efficient way of uncovering the hidden scientific basis behind the veil of ancient cultural traditions.

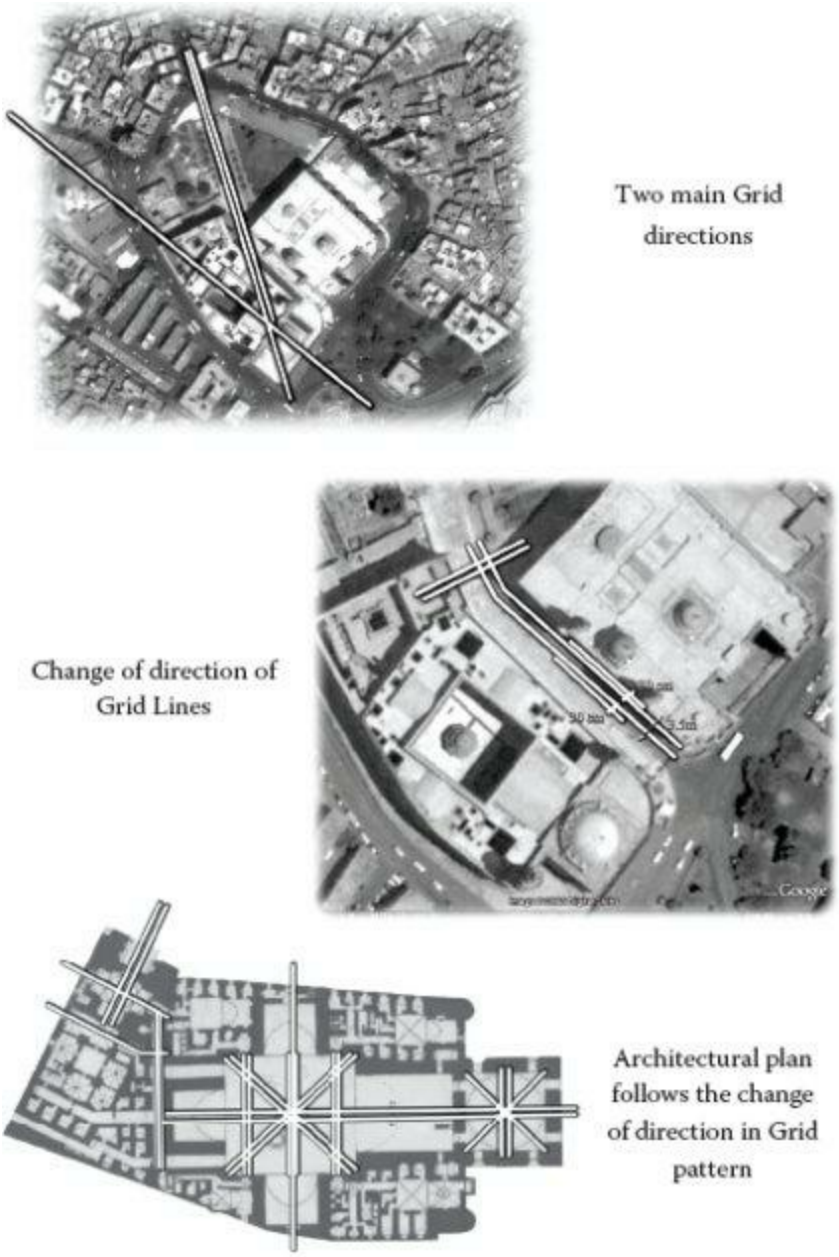

Two main Grid directions
Change of direction of Grid Lines
Architectural plan follows the change of direction in Grid pattern

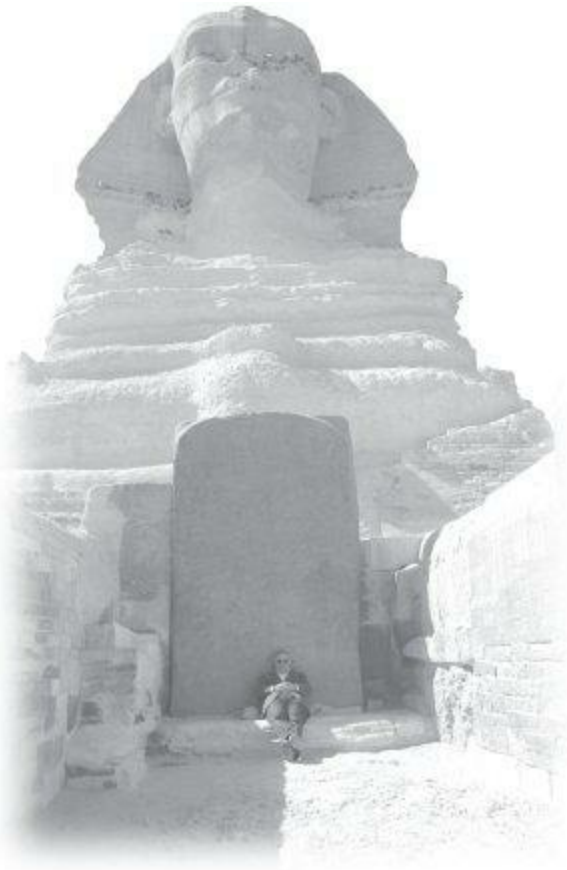
Fig. 49– Sultan Hassan mosque, Cairo, Egypt, Planned on Earth Energy Grid pattern

Holistic Healing in the Temples

In ancient town planning as we have seen, the temple was built on the most sacred spot with its unique powerful harmonizing and balancing energies. Besides being the seat of wisdom and knowledge, it had special areas used for healing and initiations. To the Ancient Egyptian, health and well-being

were viewed from a holistic perspective that encompassed the totality of the person; physical, vital, emotional, mental and spiritual. The Ancients understood that spiritual energy at that sacred spot had the all-balancing qualities of a transcendental source. The energies of the spot interact with the body's energies, and through harmonic resonance, balance is restored (very much similar to what happens when tuning a musical instrument, you hit one chord and the others proportionally related resonate with it). The subtle energy qualities also achieve the effect of 'Spiritual Centering' of BG3, connecting us with the transcendental center of our being. The angelic connection and supernatural manifestations in the sacred spot play a major role in the solution of many problems through a higher wisdom that is manifested in trance, dreams, and oracles. This type of healing, which was based on a holistic harmonizing of the body's energy, was complementary to the traditional medical practices in the hospitals that were very advanced in Ancient Egypt.

In Ancient Greece for example, there was a type of healing in the temples that some modern scholars interpret as 'Dream Therapy'. The sick person would go through special cleansing rituals, which included fasting, praying, and purification with holy water for three or four days in the outskirts of the temple. When the person was ready, he was taken to a special area in the temple. In this area the strong energy induced altered states of awareness in which the subject usually experienced purification dreams, and out-of-body experiences that produced a holistic healing effect on all levels. Calling this 'Dream Therapy', is in reality clothing Freud in Egyptian garb and putting him in Ancient Greece!



Ibrahim “in a dream” at the Sphinx

Energy Secrets of the Pyramids

The Sacred Pyramid

To the Ancients, construction was inseparably associated with religious rituals. The main goal of any type of sacred buildings was to interact with the special energy quality of that place. My Architectural background and my extensive research based on practical energy quality experiments using BioGeometry measurement techniques, gave me an insight and confidence to propose this new theory about the unique qualities and amazing knowledge behind the construction of the pyramids of Giza (Fig. 50).

Fig. 50 –The Giza Pyramids

We saw earlier how the Ancients were able to locate places that had a powerful beneficent energy quality, and marked them with megalithic Menhirs and Dolmens. In the case of Menhirs, the material, dimensions and layout played an important role. It entered into resonance and amplified the special energy quality. This was developed further with mathematical precision in the Obelisks of Ancient Egypt.

The Dolmen, which consisted of two megalithic stones erected upright with another huge stone placed horizontally above them to form a sort of gateway or open-ended chamber, was built on underwater stream crossings which created an energy vortex. Dolmens were in most cases oriented slightly south of the East direction. This orientation enhanced the special energy quality, and created a subtle energy axis passing through the Gateway, Arch, or open-ended chamber. The concept of the ‘Eastern Gate’ has played a very important role in temples and city walls through history down to modern times.

By covering the Dolmen with an artificial mound the energy emission

inside and outside the Dolmen was enhanced. Some of the round mounds in Europe have a stepped round core made of several levels of artificial clay bricks that were then covered with earth (Fig. 51). The development from Dolmen to Pyramid must have taken place in Egypt much earlier than in Europe, and must be attributed to an earlier prehistoric civilization in Ancient Egypt. This development led to the Stepped Pyramid of Saqqara (Fig. 52), the first stone building in recorded history, and culminated with the Great Pyramid on the Giza Plateau, attributed to Pharaoh Khufu of the 4th Dynasty.

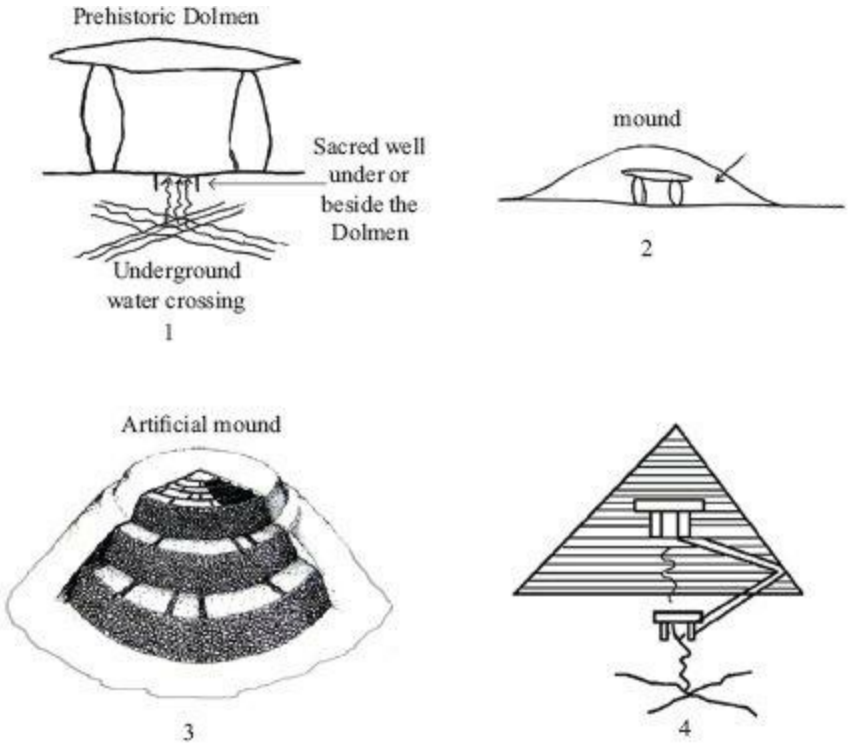


Fig. 51– From Dolmen to Pyramid

Fig. 52– Saqqara Pyramid

The Giza Plateau must have been a sacred site on which Menhirs and Dolmens stood among other megalithic edifices which were used for sacred

ritual by a prehistoric civilization. We must therefore look at the Great Pyramid as the last phase of building which had been going on in that area for several millennia. *We must understand that the main object of ritual is the sacred spot itself, while the buildings among other things are man's interaction with this sacred energy quality.* The pyramids we see today are just the last remnants of this sacred interaction.

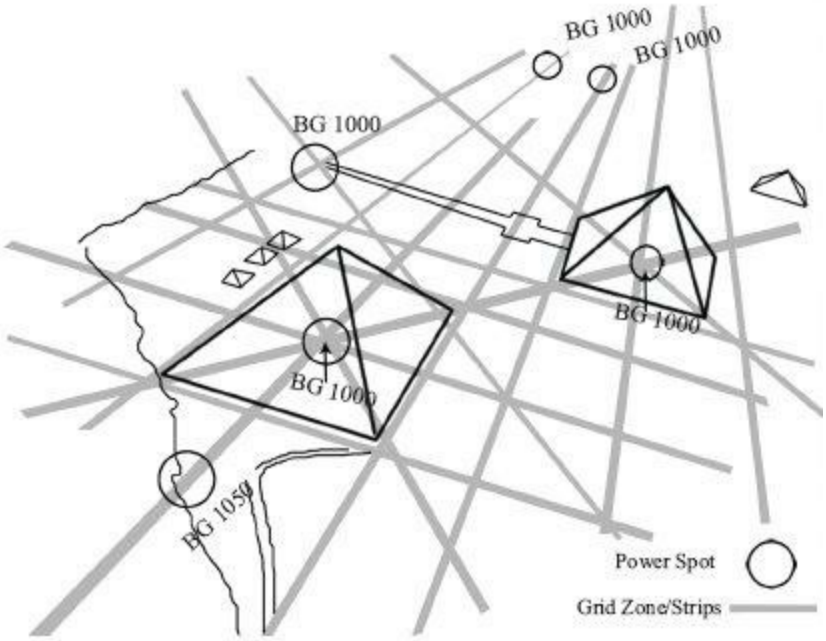


Fig. 53– Alignment of Pyramids to Earth Energy Zones and Grid lines

In our research, we have done a subtle energy survey of the Pyramid Plateau at Giza, and detected the wide energy Grid Lines of extremely beneficent energy (Fig. 53). These wide energy Grid Lines are also called 'zones' because they are wider than the normal Grid Lines of the Hartmann, Benker, and Curry earth energy grids. We also found that the pyramids were built over crossings of multiple zones and Ley Lines resulting in very strong energy power spots. The sides of the pyramids are aligned on the Hartmann Grid Zones, which are accurately orientated to the cardinal point. *The location of several underground levels of tunnels and chambers would be based on the Earth Grid Line pattern, with the most important chambers on the power spots and the levels aligned with horizontal planes of the grid. This was the usual practice in antiquity, which was confirmed by our subtle energy surveys.*

The ancient sacred buildings were mainly built for 'immortality in the afterlife'. After identifying a location on earth which had a very strong sacred

energy quality, the ancient builders also took into consideration the building's astronomical orientation. So, not only did the Ancient Egyptians consider the location of sacred energy on earth, but they also strove to detect and map the locations of similar ones in the sky (Fig. 54). *The connection with the sacred places in the sky was used to empower the sacred energy of the power spot on earth. These connections created a three-dimensional grid of sacred energy quality*.

There is evidence that ancient architects designed the sky connections in the buildings through highly developed mathematical and astronomical sciences.[26] They constructed a sophisticated system of shafts (Fig. 55), chambers, and openings in order to link their buildings to the sacred places in the sky (Fig. 56), achieving a resonance that created *virtual cosmic Ley Lines*. This was their pilgrimage route for the soul in the afterlife, or during out-of-body experiences, just as they used the Ley Lines on earth as pilgrimage paths that connected sacred places on earth, as is common in shamanic practices all over the world[27]. The Ancient Egyptian priests also identified the manifestations of sacred energies in the environment at certain times of the year, or the day, and performed certain rituals to interact with them.

Fig. 54 – Sacred locations in the sky

Fig. 55 – Khufu Pyramid shaft emanating BG3

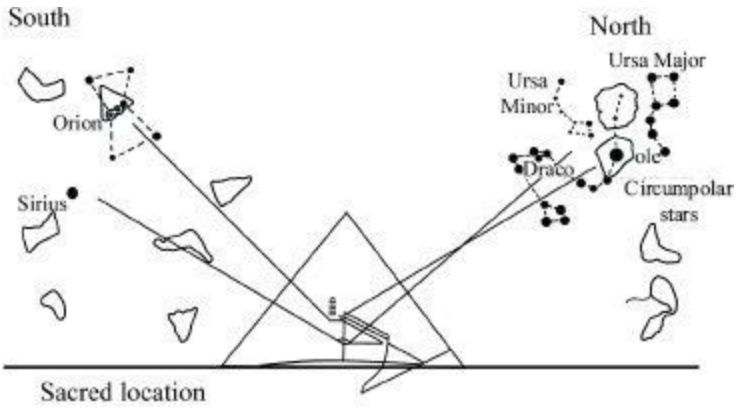


Fig. 56 –Pyramid shafts linked to sacred locations in the sky

Some of those rituals were also related to the starting time of the building.

The Ancient Egyptians had very advanced *geometrical measurement devices in the form of scepters, staffs, and pendulums to detect energy qualities* (Fig. 57). We find such sophisticated detection instruments depicted in their artwork held in the hands of NTRs (gods) and Pharaohs. Those devices were used within the framework of a very advanced science of quality through which they interacted with the powers of nature.

Fig. 57 – Sample of Ancient Egyptians scepters

The sacred power spots in the sky were regarded as heavenly locations (Fig. 54). The Ancient Egyptians used several methods of connection through

resonance with the heavenly locations in the sky such as the areas marked by the Milky Way, the Pleiades, the Circumpolar stars, Orion and Sirius. We have been able to confirm this theory through measurement using our own modern subtle energy quality detection instruments of BioGeometry.

The alignments of the pyramid shafts to certain star constellations in heaven would be such a method of communication that can be used in rituals. Once the alignment is done at a certain time and resonance is achieved, the building is permanently connected to the cycle of that star. The BG3 subtle energy quality can then be detected in the shafts all the time. It fluctuates however in strength according to the cycle of stellar alignments.

***T**hese shafts were made for energy connection and not* penetrate all the way into the chambers; they just have to channel the energy into the pyramid. Through their dimensions, they act as closed sound boxes tuned to resonate with the special energy quality of the sky location. The length of the shaft was tuned to the wavelength that represented a harmonic proportion that would resonate with the energy quality of the sky location and the stellar constellation in it. The height and width of the shaft as well as any angles or dents also played an important role, as the subtle energy quality was produced through the proportions of height and width to the length of the shaft the same way the sound boxes of musical instruments are designed. The so-called ‘stone doors’ that we find in the shafts were calculated to divide the shafts in specific spots to make them resonate with multiple wavelengths. This method of resonance through the fixing of certain wavelengths, along with the orientation to certain sky locations at specific times in the beginning of the cycles, ensured the permanent resonance of energy quality through multiple methods.

The shafts brought the energy from the stellar constellation into the internal chamber, taking the Dolmen concept to a new level of sophistication. To the ancients, the buildings were like musical notes within the overall composition of a symphony that included the energy anatomy of the location on earth, and also of locations in the sky, as well as time and natural cycles, to create the ultimate sacred energy quality through time and space. To the Ancient Egyptians this sacred energy quality became so natural and normal that they interacted with it in their daily life, and used it to bring harmony into every aspect of their environment visible and invisible. No activity of any type could start without it.

Another important criterion was the choice of time connected to the

construction of certain parts of the pyramid. *The points of transition in any energy system, as in the beginning and end of cycles, are points of multidimensional qualities where connection to other dimensions are possible, and at which the least effort is needed to achieve the strongest effect within the whole energy cycle*. The laying of the cornerstone and the beginning of construction as a whole, would thus be initiated when the stellar constellations were in ideal alignment with the shafts or openings that were specifically devised to create the connection. The Ancient Egyptians also identified the occurrence of the sacred subtle energy quality at certain times of the year or the day, and performed rituals to interact with them. *The building connected in this way to the earth's energy anatomy and the sky locations, became like a living subtle energy system.* One can compare that to the planting of a seed at the right time in the cosmological cycles to enhance its life energy.

When the Ancient Egyptians used astronomical calculations of the cycles in the sky, they already knew what they were looking for in terms of the energy quality needed to achieve universal harmony. They gave the stars marking those locations a special place in their scientific-religious worldview. As an example, when the rising of Sirius on the horizon would coincide with the beginning of the flood of the Nile, the harmonizing sacred energy quality in the water was greatly enhanced, thus bringing prosperity to the land and its people.

The Ancient Egyptians used several methods to achieve resonance with locations in the sky. Reproducing sky patterns on earth in a form of mirroring produced resonant connections. This mirroring of the sky on earth is a very practical way of bringing to the earth the sacred energy quality found in certain stellar regions. It is achieved by creating a pattern of sacred energy spots on earth with the same pattern as a stellar configuration in the sky, to create an Earth-Sky resonance.

Our research and experiments in the detection of BG3 subtle energy quality are a practical way of showing the importance of those locations in the sky. In BioGeometry, we work according to a Physics of Quality, which is based on the concepts of Ancient Harmonics, in which the energy quality of shape plays a major role. Similar shapes in certain proportional relationships can enter into resonance and exchange information on a subtle energy quality level across great distances and even beyond the confines of time and space.

The Ancient Egyptian existed in a multidimensional state that was not based on superstition as many tend to believe, but on a very practical relationship with the forces of nature that enhanced his daily activities. Through this understanding, we will be able to uncover the secrets that lie in the ruins of this great civilization, and maybe revive them in a modern form to create harmony in our global society and our environment.

Our detections in the sky would be in accordance with the rituals and beliefs in Ancient Egypt, which were always based on the harnessing of the sacred energy quality that permeated their everyday activities to enhance them in a practical way. It was therefore no surprise to find out that our measurements of locations in the sky turned out to be in some accordance with Ancient Egyptian beliefs and showed a certain correlation with the findings of Bauval and Hancock (authors of The Orion Mystery and The Egypt Code) and their theories on the stellar alignments of the pyramids and their relation to Orion, Sirius, and the Milky Way. *The crucial differences lie in that we identify larger areas in the region of these stellar bodies and not the star itself, which was used as a marker for the sacred area. We further postulate that the Ancient Egyptians mainly depended on a practical method of energy quality detection besides their advanced astronomical knowledge.*

The Ancient Egyptians believed that the soul, which they called the 'Ba', could travel out of the body and come back. They practiced a form of astral travel linked with initiation rites as practiced in many shamanic traditions. They would access the sacred power spots on earth by physically going to them, and access the sacred power locations in the sky in non-physical travel, as in out-of -body experiences or as a soul journey after death.

The Time Chambers in the Pyramid

In our BioGeometry research we found that the sacred power spots, whether on earth or in the sky, are locations that manifest the BG3 subtle energy quality. We have seen how the multidimensional properties of this energy quality open a doorway to other realms and enhance communication with other dimensions. This doorway beyond our time-space dimension has made those power spots sacred to many cultures from prehistoric to modern times.

Let us examine this multidimensionality a bit closer to try to understand how different cultures interacted with it in their buildings throughout history. We

have shown how they enhanced and amplified the BG3 subtle energy quality of the power spot through the erection of menhirs, dolmens, obelisks and pyramids on them. We have also shown how they connected the power spots through straight paths to create two dimensional and three dimensional grids of BG3. Did ancient civilizations know more about communication with different time-space dimensions than we suppose?

My research into the subtle energy interactions of the megalithic dolmen has shown that it is a very special shape that can enhance the BG3 and project it in a linear form in the direction of its orientation. The dolmen was sometimes covered with a circular near-hemispherical mound that later evolved to become a pyramid. The pyramids were built with bricks or sandstone with some of the special core elements in granite. The chambers inside were built in granite because of its structural and resonant qualities. The granite chambers were very powerful multidimensional communicators. They opened the doors to the past and future, as well as to other realms and allowed soul travel from and to them. Could we not then consider the pyramids of Egypt as time machines? Recent research certainly seems to support this possibility.

Whether these time chambers were used as burial chambers or initiation chambers does not really matter, as it is their time-space configuration that is of great significance. Some Pharaohs like Senefru, of the third dynasty around 3000 B.C., had three pyramids built in the region of Sakkara south of the Giza Plateau, and as far as we know, was not buried in any of them. Most probably those Pharaohs were buried in Upper Egypt.

The use of those chambers as time machines would have needed special rituals. To the uninitiated this state could blow the mind and become such a traumatic experience that it could have permanent psychological effects. When the French Emperor Napoleon Bonaparte came to Egypt in the year 1798 A.D., he spent a night in the King's Chamber of the Great Pyramid. When he emerged, he is reported to have been extremely shaken and shocked by something he had experienced within. When asked what had happened in there, he refused to discuss it and insisted that the incident never be spoken of again. A friend who visited him in his final days, asked Napoleon to tell him the long-held secret of that night in the King's Chamber. Napoleon started to speak about it, but then stopped and said, "What's the use? It was so strange that no one will believe me anyway."

Not everybody who spends a night in there has such experiences. Some

have had very special spiritual experiences. In his book, ‘A Search in Secret Egypt’, Dr. Paul Brunton recounts such an experience of a night in the King’s Chamber of the Great Pyramid. His experience was somewhat like Napoleon’s. However, the type and intensity of experience usually depends on the person’s subconscious and his initial preparation. Our research has shown that the energy in the King’s Chamber becomes very negative and harmful between sunset and midnight and is beneficial from midnight till dawn. This explains the horrific encounters with malevolent spirits in the first part of the night followed by the manifestation of benevolent spiritual beings in the second half.

Recent scientific research in Russia has shed new light on the phenomenon of ‘Time Chamber’. The Russian astrophysicist and astronomer, Dr. Nikolai Kozyrev (1908-1983), who has a moon crater and an asteroid named after him, triggered a controversy among his peers at the time with his theory about the existence of a new form of energy impregnating the whole universe. These energy waves are intermeshed with time-space in such a way that they formed some sort of ‘Time Waves’. According to Kozyrev, all objects emit and are impregnated by these waves and could only be detected by their piezo-electric effect on some crystals. These time waves, however, can be reflected 100% by aluminum or granite and could invert their polarity if reflected by mirrors.

Kozyrev discovered these time waves by chance when he accidently left his special mirror telescope overnight focused on an empty location in the sky. What he found recorded on film was a sharp image of the Andromeda Galaxy where it actually is at the present time[28]. This was very puzzling as we would normally see the Andromeda Galaxy in a telescope in the location in which it was two million years ago, because it takes that much time for light to travel that distance to earth. The image of Andromeda on the telescope was where it will be seen by our conventional telescopes two million years from today! It seemed impossible to get this image at that place now. It is like getting an image from the future, although in reality it is the present that we only see in the future. Several other experiments were conducted with different calibrations, and pictures were obtained of Andromeda in the past, present, and even in real future positions. All images were very clear except for the ones in the future, which showed only 70% of the data. He deducted that the missing 30% were due to other future events whose effect could not be accessed yet.

Two other Russian researchers, Kaznacheev and Trofimov, performed several experiments in 1990 to study Kozyrev's phenomenon of time waves. They built a 'Kozyrev Mirror' which consisted of an aluminum cylinder in which a person can be enclosed. The aluminum reflected all time waves from outside so that they did not reach the inside, and kept the time waves emitted by the person inside trapped within the cylinder. The inner surface reflected back the time waves emitted by the person to form a highly concentrated environment in the center of the tube. Time waves inside the Kozyrev Mirror were supposedly traveling in both directions, past and future. The persons who spent some time in this Kozyrev Mirror reported dramatic changes in perception taking them beyond our time-space constraints.

It is tempting to conclude that the Kozyrev Mirror could just have been a granite chamber in an Ancient Egyptian pyramid built on a power spot of the sacred Plateau in Giza!

I have done my own BioGeometry research on this phenomenon and found that the inside of the Kozyrev-Mirror had a strong BG3 subtle energy quality. A Kozyrev Mirror placed on a power spot would have a greatly enhanced multi-dimensional BG3 effect. I then applied some of the BioGeometry Design Principles to enhance the effect of the Kozyrev Mirror by forming the base to become a BG3 power spot. I came up with an elliptical, egg-shaped, circumference of the aluminum or granite base of the chamber so as to have the BG3 quality concentrated within the whole base as if it was placed on a power spot. It is fascinating how futuristic cutting edge modern science is in some aspects catching up with the Pyramids of Ancient Egypt that keep revealing new secrets as time goes by.

The multi-dimensional properties of the pyramid chambers could shed some light on what kind of functions were performed in those chambers beside their use for burial and the travel of the soul of the deceased in the celestial boat to their heavenly abode in the sky. Some of the other functions that come to mind could be initiation ceremonies involving out-of-body travel along the 3D grid formed by the power spots on the earth and in the sky. This journey could be taken into different time-space dimensions. This was an ancient worldwide shamanic practice taken into a higher degree of sophistication in Ancient Egypt as can be seen by their detailed descriptions of the afterlife. Other practices involving communication with disembodied entities from other dimensions could also have taken place. These chambers could also have been used to access information from other dimensions or

even to store information in higher dimensions. The hall of records with the secret knowledge of an ancient civilization could be in another dimension that is only accessible to the initiated.

Where is Multidimensional Egypt Now?

The loss of awareness of the abstract nature of the sacred energy which transcends any particular belief system or religion results in the loss of harmony and balance, and has a devastating effect, and a loss of universal multidimensional identity. When people lose this awareness of the spiritual energy quality in its abstract form, they identify only with the buildings erected on the sacred spots related to their own religion. They are pulled into the material symbolism that the building holds in their belief. They accept as sacred their own religious buildings, and do not acknowledge the sacredness of the buildings of other religions. This is the kind of focusing on the material dimension that can lead towards idolatry and fundamentalism, and creates separation and strife between religions. On the other hand, awareness of the spiritual energy in its abstract form could be a unifying force that promotes peace through recognition and respect for all religious places of worship, independent of one's belief.

Our ignorance of the nature of the spiritual energy quality in sacred power spots caused us to make deplorable errors in relocating temples, such as Abu Simbel in Egypt, to higher grounds, without properly choosing a spot of energy quality similar to that of the original location. Furthermore, in our effort to sanitize natural water resources that got polluted by the sewage infrastructure, we have managed to transform sacred lakes, as in Karnak in Egypt (Fig. 58), to 'swimming pools' without a trace of the original sacredness of the natural source. Obelisks have been moved from their sacred energy power spots to 'dead' locations. In the past century, some of them have been moved and are still standing in the main squares in capitals of Europe and the United States. In Paris, Rome and Washington, D.C., for example, they have been strategically placed in energy power spots as these cities were originally planned with the Earth-Sky energy connection in mind.

Fig. 58 – Sacred lake in Karnak

In our research on the planning of the city of Cairo in Egypt, we have found evidence that this ancient knowledge was applied. It is therefore no coincidence that we find religious buildings through the ages (ancient temples, synagogues, churches or mosques) located at energy nodal points throughout the city. It is our greatest hope to revive and connect the sacred power spots and reactivate the energy quality of the city with the way of the sacred, through awakening awareness of the invisible spiritual light that we measure as BG3, and by recreating methods of bringing it into everyday activities. This, I believe, is the only way that multidimensional Egypt will be restored again.

Anti-Gravity

Imagine if we decided to build a replica of The Cheops Pyramid today. Building is my profession, so trust me when I say that today, with all our advanced technology, we would still be seriously challenged! So how did these people thousands of years ago manage such an amazing achievement? Archeologists suggest that they built ramps in order to raise over two million blocks of stone to a height of forty stories. Suppose they built ramps to raise the stones to the higher levels; the stones still had to be placed on rollers or sleds, and the ramp would have to be covered with a hard stone surface so that the rollers or sleds would not sink under the heavy weight. Building a ramp that way for every row of stones in the pyramid is a huge engineering task in itself, which would have been just as impressive as building the pyramid itself! Let us assume that this was how it was done. How can we explain the precision with which these stones, weighing so many tons each, are put in place in such a way that a razor blade cannot fit between them?

Suppose they put oil on the stone and pushed it in. How many people would they have needed? How can more than five workers fit in the available space to push it in place? Some of the stones are granite and some are sandstone. Positioning the stones would probably have chipped a few, but as it turns out none of them were chipped. What is even more difficult is that in some places the stones are interlocked. We could easily do interlocking with a game of Lego but not with blocks of several tons! Obviously, there comes a point where it becomes impossible for us to comprehend how they did this amazing engineering feat. *It is strange, however, that the Ancient Egyptians left thousands of illustrations depicting everything in their life, but did not document anything about the building of the pyramids. They definitely had knowledge and techniques that they were not willing to divulge to the uninitiated.*

If we research some cultural traditions that have survived through the ages, we might get some clues about what type of additional methods they could have used. Maybe they had the knowledge and techniques to reduce the effect of gravity? In Ancient times, ritual chanting and prayers were part of the building process. In the southern part of Egypt until now in construction, whenever manual labor is being used, the workers carrying the heavy bricks and materials on their shoulders chant ageless rhythmic chants as they climb up the scaffolds and structures. Another example is the chants they sing when they are pulling cargo sailboats along the banks of the River Nile, when there is no wind to move the boats. It is well known in Egypt that there are still people living in the area of Luxor who have preserved some of the Ancient Egyptian knowledge, and can perform feats that are beyond our modern comprehension. Could the chanting and prayers have played a supporting role, both in moving the stones to the building site, and in placing the them properly? I am not suggesting that they sang the stones into place! The chanting, however, could have been a supportive element.

A seer from Luxor, Yacoub Al-khousamy, the same one I mentioned in my journal, told us a story related to our topic of anti-gravity. He talked about how many times in his youth he had witnessed his father perform levitation feats where a huge heavy stone, for example was rendered weightless and could then be easily lifted and placed in the right location. Local tradition in the area, however, as I have been told, attributes this knowledge and skill to Khoja Yacoub himself.

One recently documented example that illustrates this connection of

sound, prayer and anti-gravity comes from Spain. In the early 16th century, St. Teresa of Avila, the renowned mystic, was known to have repeatedly experienced states of levitation while in the *rapture of prayer*; St. Teresa seemed to hit an anti-gravity key through her prayers. There is definitely a connection between some aspects of spiritual energy and gravity.

The Sacred Mother

The concept of anti-gravity is a field in which, I believe, shape can play a very effective role. Intrigued by this phenomenon, I have conducted research on certain shapes that might have an anti-gravity effect under certain circumstances.

We only have to look as far as our bodies to examine this concept. One can truly but wonder how we do not feel the weight of our body organs that are basically hanging in there? Why are they not falling? Why don't we ever feel the weight of our ears for example? How can a pregnant woman carry that weight for so long? We had twins, my wife and I, and all through the pregnancy I kept looking at her in wonder as her tummy grew bigger and bigger and she still functioned perfectly! I imagined carrying that much weight strapped around my waist! That got me going. The shape of the womb particularly during pregnancy seems to have an anti-gravity effect that minimizes the load on the body (Fig. 59).

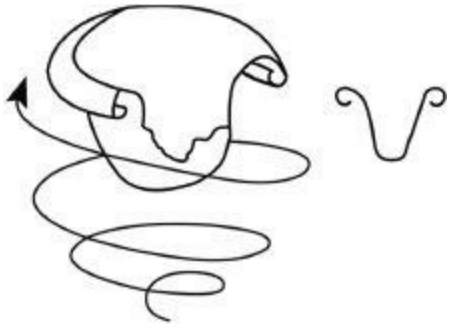


Fig. 59– Geometrical shape of the womb

An amazing discovery that was made during my research was the detection of the subtle energy quality (BG3) in the water surrounding the baby in the womb that seemed to have the same quality components of the water found in sacred power spots. No wonder the mother is revered in all religions and cultures. *During pregnancy the mother is actually a walking sacred power*

spot! The sexual act, from the energy quality point of view, could then be looked at as a sort of pilgrimage that the male takes to a sacred place. That might explain the sexual rituals that we see depicted in sacred art in many cultures.

There seems to be a relationship between the sacred energy quality we label 'BG3' in BioGeometry and gravity. The anti-gravity effect can be achieved through prayer, spiritual practices, sounds and shapes, creating a very strong subtle energy quality.

An Ancient Egyptian Airplane Model

My old time friend, Dr. Khalil Messiha, (a Physician, Professor of Anatomy at the Da Vinci Art Institute, and amateur Egyptologist), discovered at the Egyptian Museum a figurine of a bird that had aerodynamically shaped wings, fixed on the top of the body like a glider plane (Fig. 60).

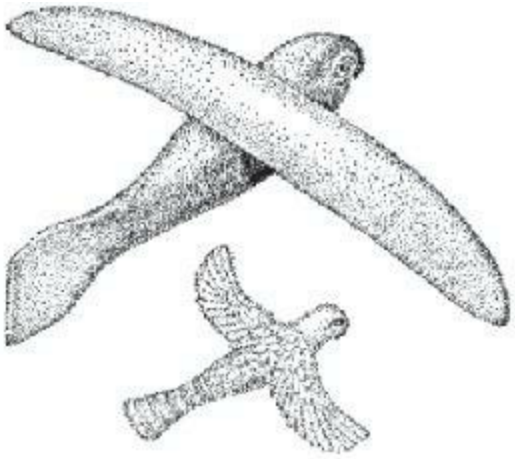


Fig. 60 – Ancient Egyptian plane model in Cairo Egyptian Museum

Dr. Khalil Messiha was intrigued by the vertical position of the tail. Birds don't have a vertical tail. This shape of the tail and the wings made it look more like a glider plane. At the museum, Egyptologists had categorized it as a bird figurine. The typical models of birds as found in Ancient Egyptian artifacts had painted feathers and legs. But this model had neither. The shape had characteristics not found on any other bird figurine. Dr. Messiha sent a picture of the model to an aeronautics lab in America. The report that came back from the lab stated that this could be the model of a slow-flying cargo

plane, and that it had the essential aircraft features needed for it to fly.

Any form of art usually represents something that we are familiar with. We may give a toy car to a child; he will love it because it is a model of a real car. The question is whether the Ancient Egyptians had the knowledge that enabled them to build some sort of flying models or actual machines? I believe that maybe when they drew the gods flying in the sky, these could be slow flying objects similar to the model Dr. Messiha discovered. So the Egyptians may very well have mastered some forms of levitation and discovered the sciences of aero-dynamics and anti-gravity.

Building is a Spiritual Exercise

How were the great Egyptian monuments built? About ten years ago, archeological excavations uncovered the 'workers' city', a highly organized settlement where all those who were associated with the building of the Giza pyramid lived and worked. The digs uncovered an infrastructure system of drainage, sewage, paved streets, houses, workshops, bakeries, medical facilities and all the other services that such a community would need.

In Egypt, the River Nile flooded the land for several months. During this period of inundation, the farmers came from all over the country to work in the construction of sacred buildings. Others, professional stonemasons and master craftsmen, worked all year round under the supervision of project masters. To the Ancient Egyptians, construction was inseparably associated with religion and so it was an honor and a spiritual quest to work in the building of their Pharaohs' pyramids and temples; this is evidenced in excavation findings and workers' graffiti found inside the Giza monuments themselves. This is contrary to the notion that the pyramids were built by slaves driven by the whip that was presented by Hollywood in many productions, the most prominent being 'The Ten Commandments' by Cecil B. De Mille.

Some contemporary scholars attempt to suggest that the Jews were the forced labor behind the building of the pyramids, an absurd assumption since historically, the Jews were first mentioned more than 1000 years after the era of pyramid building. This era dates back to the third millennium before our time. Actually, there existed a Jewish colony on the Elephantine Island and its surroundings near Aswan in Upper Egypt since 500 B.C. records show

that this colony existed for more than a thousand years. At its center was a Jewish temple donated by the Pharaoh.

To the Ancient Egyptians, the construction of sacred buildings was considered a spiritual exercise in itself, and so the energy quality of all involved in it (priests, architects, artisans, artists and workers) was very important. Knowing that every line they drew or stone they touched would be forever impregnated with the energy of all those participating, they had to be prepared for the spiritual work they were to embark on. A workman would have to go through purification ceremonies and prayers before participating in any work. If, for example, he touched a stone and impregnated it with negative energy, he could compromise the subtle energy quality of the whole building.

In Ancient Egypt, *when they cut a stone, they marked its polarity coordinates in its original location.* They believed that the energies of the earth that had been flowing through it in a particular direction for thousands of years, needed to be respected. *The stone must then be placed in that same orientation to the coordinates, so as to withstand the test of time* (and we wonder why any renovations we do now do not survive a decade!). To them, each stone was *alive, it had consciousness and awareness*. When the workers were on a very high level of spirituality through the use of certain rituals, they could affect the energy quality of the stone. The Ancient Egyptians integrated the powers of nature in their practical everyday technology.

This spiritual preparation is still practiced by some builders in modern times. For example, the great architect Antonio Gaudí, who built monumental buildings in Spain, is known to have fasted and prayed for about forty days until he felt he was spiritually cleansed and ready to embark on his quest of building the Roman Catholic Basilica, ‘La Sagrada Família’ (The Holy Family) in Barcelona, Spain, from 1882 to 1926, (Fig. 61). To this he dedicated the last fifteen years of his life and joked about its long construction time saying: “My client is not in a hurry.”

The spiritual practice of building can best be seen in the history of the ‘Kaaba’. The holy central mosque of Islam in Mecca, which has been rebuilt several times since the Patriarch Abraham resurrected it from its buried foundations. The records document the names of every person who carried a stone and put it in place; his tribe and lineage, the number of the stone and its place in the building. Only those believed to be the most devout from every tribe received this honor.

Fig. 61–Church of the Holy Family in Barcelona, Catalonia, Spain

Rituals

Today we underestimate the power of rituals. We give them symbolic value and often reduce them to the status of traditional practices. We attribute the rituals to symbolism and psycho-social values, and do not see *the practical aspect that they could have in harnessing the subtle energies of the powers of nature into everyday activities.* We think we can do without them; we have our modern scientific worldview in which ancient rituals have no place.

Since antiquity, religions have always combined spiritual experiences with exact rituals. It is known that spiritual connection causes an over activity of the so-called trance-like state of right-brain perception. This over activity could produce transcendental experiences that some might mistake as hallucinations. This state can produce frontal lobe disturbances in the brain leading up to seizures in extreme cases. *Hence, the importance of rituals and prayer: to adjust the energy imbalance in the brain. Spiritual experiences arise through a connection with a higher dimension. Proper connectivity of this sort needs some form of fine tuning to the source that is achieved through*

specific forms of ritual. When we pray for example, it is important to strictly abide by the dictates of the rituals, as rituals are very well-designed to correct the energy imbalance in the human brain and create a balanced connection to higher levels of spiritual reality.

How can we differentiate between hallucinations and an actual spiritual connection? This can be done by using biofeedback devices or radiesthesic methods of subtle energy quality measurement. If we are connecting with the proper rituals, we would detect the 'One Harmonizing Subtle Energy Quality' of BG3 through its three components: The Higher Harmonic of Gold, Ultraviolet, and Horizontal Negative Green subtle energy qualities. (In an epileptic seizure for example, we do not find the BG3 subtle energy quality).

In the Sufi mystical tradition, we learn that there is a special rhythm in the heart connected with all the forces of nature. *We have inside of us all the rhythms of the universe, manifested harmonically in the rhythm of the heart.* This is the mechanism of higher extrasensory information exchange in the universe that the mystics refer to as the 'knowledge of the Heart'. The Sinoatrial (SA) node in our hearts, which is the primary pace maker generating the rhythm of the heart, reflects the energy balance of the whole person on all levels. In every one of us there is a slight imbalance in this rhythm indicating, in a mystical Pythagorean sense, the imperfection of humanity. This imperfection can be corrected temporarily through the connection with the 'One Harmonizing Subtle Energy Quality' which will bring the BG3 into our heart. We can actually measure the occurrence of this BG3 energy quality in the heart rhythm, indicating a spiritual connection. With the proper rituals in connection with sacred spots and sacred times, we can synchronize with a large number of rhythms manifesting the BG3 energy quality. In the BioGeometry Harmonic System we can find those rhythms and use them to bring inner and outer harmony. When we correct this rhythm of the heart, we correct all the other rhythms of all the energy functions of the body because they are emanations from that rhythm.

It is interesting to examine the activity of the left and right sections of the brain separately; when we listen to music, we find a higher level of activity in the right-brain section. If however, we start to think analytically, we find a higher level of activity in the left-brain section. If we are involved in any form of spiritual exercise, the activity of the front lobe of the right-brain hemisphere rises (Fig. 62).

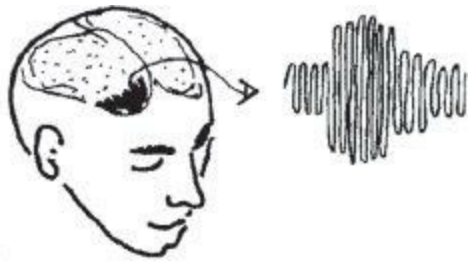


Fig. 62 –The God Spot in the brain

When epileptic patients go into a seizure, the activity of the frontal lobe of the right-brain section also rises. The person may say afterwards that he saw an angel or that 'God has spoken to him' or that he had some kind of spiritual experience. In his book, 'Phantoms in the Brain', Dr. V.S. Ramachandran[29] referred to this frontal lobe of the right section of the brain as the 'God Spot', a term coined by Persinger working in the same field of mind research (Fig. 62).

We cannot conclude from such experiments that the concept of God and spirituality in general is only an illusion produced by an overactive frontal lobe in right-brain hemisphere, as some scientists like to make us believe. We know that many spiritual exercises sometimes cause similar experiences. We also know that some people who go into very strong power spots or sacred places may have light convulsions similar to epileptic seizures.

Let us look deeper for a more comprehensive view. If we measure the subtle energy quality in the frontal lobe of the brain during spiritual activity, using a brain wave tracer and instruments of Physical Radiesthesia, we will detect a frontal lobe disturbance. How can that be, and how can we correct the disturbance? Although the physical results and the brain measurements of both types of experiences are the same, in Ramachandran's case, the seizure produces the experience, while *in the case of spiritual practices it is the experience that produces the visions or even the convulsions*. We need to look at a hidden energy aspect in rituals that produces a harmonizing balancing effect in the otherwise disturbed frontal brain lobe, resulting in a full spiritual experience with no physical disturbance. In this case, the experience often has a healing effect. *Spiritual activity and spiritual places need the balancing energy of ritual to ensure harmony and protection from any disturbance.*

If we take a hand gesture as an example, (Fig. 63) something as simple as raising the forefinger of one's right hand creates an energy vortex above the index finger manifesting the 'Gold' energy quality of BG3. This gesture is

found in the religious art and rituals of many cultures. In Islamic prayers, it is a symbol of the one God; in Christianity we find it in many icons of John the Baptist as depicted in Renaissance paintings.

It is also interesting to note that what we know as Islamic rituals are, in essence, the same rituals practiced in that area of the Middle East since the days of the Patriarch Abraham, and probably originate much earlier.

In BioGeometry we introduce the balancing energy of BG3 to support all kinds of spiritual activities using tangible methods in the form of architectural solutions and specially designed shapes. *These solutions are sustainable and will continue to work as long as they are physically intact.*

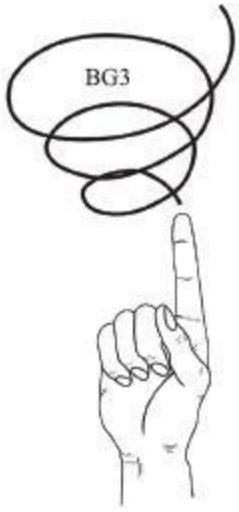


Fig. 63 – Sacred energy hand position

The Qualitative Side of Energy

What is Energy?

The underlying concept of *BioGeometry is the re-creation of an energy quality that corresponds to that of sacred power spots.* In order to understand this, we must expand the horizons of our quantitative, scientific way of thinking to include the qualitative dimension, which deals with how all things affect each other. It is important at this point to explain this concept of energy quality that we are dealing with. A scientist might say, "Define what energy is? You use the word 'energy' for everything." In our modern times, scientists have a divided worldview: on the one hand, they tell us that everything in the universe is energy; on the other hand, we find them identifying energy only through some of its manifestation such as heat, electricity, magnetism, and others within the four categories of gravity, electro-magnetism, weak and strong nuclear forces.

The famous American physicist Richard Feynman once said: "In physics today, nobody knows what energy really is! We know how to use certain formulas to quantify and use the different forms of energy, but we still do not know the essence of the energy that manifests in different forms."

The generally accepted definition of Energy is its ability to produce action /effect /work, depending on the context, which *defines energy not as what it really is, but through one of its attributes or qualities that are perceived as an effect on another object.* Besides the traditional manifestations of energy in the form of heat, motion and so on, there are also many other non-traditional effects that should be added to our energy repertoire, and need to be included in the manifestations of energy. Thoughts and emotions are such examples. If you are embarrassed, you blush! If someone is angry, his face turns red; if he is in love, we can sense abundance of energy, but with a totally different quality! Isn't all that, in fact, different forms of energy conversion? Electronic measurement devices, such as electroencephalograms (EEG) that trace the brain's activity, show that the working of the mind is based on some sort of energy interaction.

Let us take this train of thought to another level. Is spirituality also based on an energy interaction or not? If it is not based on an energy interaction, then it is just an abstract concept with no real existence. This cannot be! Even sacred beliefs and the related rituals, that refer to an inconceivable Divine reality beyond the duality of time and space, are based on the manifestations

of this ultimate reality within time and space as a sort of spiritual energy quality. *Many forms of religious ritual are a way of interacting with this inaccessible Divine principle through its effects on the energy quality of certain locations.* So you see, a whole new picture emerges which would need a new physics to grasp it. If we define energy through its effects, then we must also look at it from a holistic qualitative perspective. So let us go back to the first moment of creation and examine it from a qualitative point of view.

In the early Christian Gnostic writings that are attributed to 'Hermes' (believed to be 'Thoth', the god of Wisdom to the Ancient Egyptians) we find a Universal Law, expressed in the words "As Above so Below," in a document titled 'The Emerald Tablet', which tells us that a grain of sand has within it the blueprint of a micro universe. If we try to understand the essence of what is within our reach and analyze it, we will find that the laws governing it will give us some insight into understanding the unreachable star. Similarly, we will use a model to understand the first moment of creation.

The most widely accepted theory of the origin of the Universe is that it started with a 'Big Bang', a sort of explosion arising from a previous stable state of so called 'nothingness' (Fig. 64). If we observe nature, we can see that a seed does not just explode out of its inert and seemingly dead state into a tree.

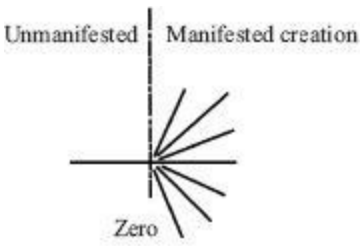


Fig. 64 – The Big Bang

The growth of the seed is governed by a program or a mental pattern. This program is latent, and parts of it are activated to unfold and manifest at the right time when it is needed. Similarly, the creation of the whole universe could not have been a simple explosion without a *program* indicating some form of higher organizing intelligence.

The explosion released energy, it did not create it. As we know in physics, energy cannot be created from nothing or destroyed. So this energy

must have been there within the nothingness, before the universe started. It was an attribute or an ability existent in what we term a ‘state of nothingness’. *So energy is something that when dormant is perceived as nothing, but when it moves it becomes something. It has then been transformed from one state to another.* So everything was there before the first impulse when our universe was created, but in a different, latent, dormant form. The actual essence of stagnant sleeping energy before the Big Bang is beyond duality, time, space and any type of attributes. But the attributes already exist within it, in one way or another. Beyond duality, every attribute in its extreme and its opposite would exist as one and inseparable. To describe such a state as existence-nonexistence, dead-alive, up-down, right-left, would be meaningless to us. This means that *our intellect, which is based on the duality of time and space, cannot perceive or comprehend it. We can only perceive the attributes when they manifest within the duality of our time and space dimension after the emergence of the created universe.*

So energy has all attributes already built into it. We become aware of energy through its attributes which manifest within duality. That is why we define energy qualitatively through its abilities. All the things that are manifested now as attributes were there within the essence, undifferentiated from their opposites. *Every attribute or quality that ever was, or ever will be, exists already within the primordial energy and all its forms, and will manifest according to the archetypal pattern in the forming process of all natural systems.* Whether the attribute is dormant or manifested, it is still there. *We can therefore say that everything in the universe is a living energy system, in which the attributes are in a different degree of manifestation from deep sleep to full action.*

Let us go back to the Big Bang theory. Before the first impulse, there was no motion, and therefore no time or space. As we have previously explained, before time and space there was everything, and there was its opposite in a sort of stagnant primordial state. This totality may be difficult to comprehend, and yet it is something that we all believe in somehow, but cannot express, because the mind cannot express something that is beyond duality. We try to express it in our manifested time and space.

What happens when we drop a stone into water? We get ripples; the ripples then gradually return to the original undisturbed state. The positive and the negative will eventually cancel each other and soon those ripples

disappear and we have nothing. The first impulse of creation was just like a stone falling into the water, and that is what we call the Big Bang (Fig. 65). One Big Bang however, does not produce a continuous universe, because the opposites, like the ebb and tide of the wave, will cancel themselves out eventually. Somewhere there must have been a second sustaining impulse, but of a different nature. *The second impulse must have been a certain type of motion, a balancing motion. It is a form of 'circular motion', where one thing revolves around another. Only through circular motion may one arrive at the unity composed of opposites. Duality means one thing in relation to its opposite, but with the circular motion we have a trinity that becomes a unity, because circular motion balances opposites in such a way that a new unity, larger than the sum of the components is created (Fig. 65).*

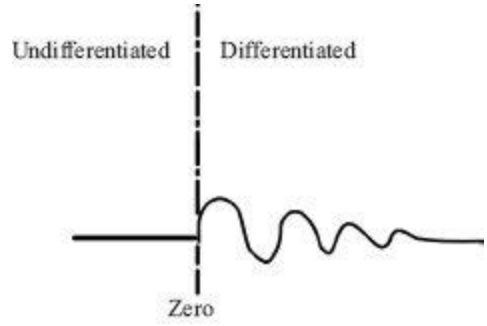


Fig. 65 – Beginning of duality

Circular motion represents time and space. Circular motion or rotation cannot exist without a center. *This center which balances circular motion is outside time and space because it does not rotate with the circle*. This motion is balanced from beyond time and space. So, we have the first impulse, this power, this Big Bang. The second impulse is the circular motion, which is a law of balance, or a law to enforce balanced motion.

If you balance a motion according to a law, the law itself must be aware of the presence of the parts it is balancing. Therefore, there must be *a primordial consciousness within the original primordial state before the first impulse*, which is manifested here, and creates an awareness of opposites. *So we see that the beginning of duality sustained by motion is also the emergence of consciousness*. Consciousness creates the awareness of the parts balanced by the law of motion. It creates the awareness of every system in the universe, according to the information it deals with, within the data bank of that system.

Therefore, if we are going to discuss how the universe started, the power of a Big Bang alone cannot be the answer. The answer would be a powerfully meaningful conscious impulse governed by a law of balance. Religious texts and ancient myths of creation may be more accurate than we usually assume, when they say that in the beginning there was 'The Word'.

'**T**he Word' is more accurate, because it involves meaning, consciousness, and wisdom. If you say "*uh"* for example, it is just a sound, but if you add meaning to it, it becomes a word. 'The Word' expresses a conscious universe on every level from the smallest to the largest, governed by a meaningful law that is meant to produce balance and harmony. *A true meaning which has the power to achieve balance through harmony, comes from wisdom. So wisdom is the foundation of the universe expressed in* 'The Word'. Therefore, saying that in the beginning there was 'The Word' is more scientifically correct than any other description.

The Balancing Law: Wisdom

Primordial energy manifests as the *primary motion*. Anything that we do that produces different types of *secondary motion*, transforms that energy into the different forms by which we perceive it. But what is it that moves and that we do not know? *All that we can know is that this motion creates the duality of opposites, and that it is balanced in a way that we could call geometric*. This balance which creates complementarities out of opposites is a law that works on all levels of creation, down to our physical reality. Furthermore, this balanced motion creates time and space that manifests on many levels according to its mode and level of perception. Attributes are qualities that can only exist within the duality of time and space, because we need their opposites to perceive them.

We refer to this eternal state from which creation emerged, as the *monotheistic basis of all beliefs and religions*. It is the primordial eternal essence of Divinity. Some Christian mystics call it the 'Godhead'. Muslims call it 'Al-Thaat', which means 'Essence' in Arabic, or the 'Unmentionable', as in some ancient traditions. Our perception and understanding, whether scientific or religious, begins with manifestations within time and space. *We all have our concepts of the creating essence through its attributes within time and space.*

To make things even more difficult to understand, we must note that what was there before the first impulse and the creation of time and space cannot be said to be before the first impulse, because with no motion, duality or time and space, it is actually a state of *before-during-after* or *past-present-future*, all in one. *The existence of the universe is actually within this timeless, ever-present, eternal moment from which the first impulse emerged, and in which everything will end.*

Newton saw it in a much simpler way, when an apple fell on his head. He connected energy to motion and gravity. But the apple on the tree at a certain distance from the ground had in it the ability to produce a falling motion towards the ground. So we see that everything, even without movement, has energy inside it. *So, at that moment (that we're calling here the zero moment), there was the activation of a state that was there in a latent, dormant form, to manifest in an active way (Fig. 65).*

Let us look at matter, and see how we interact with it. All matter consists of atoms. We will use the geometrical configuration of the atom as a model for illustration. Atoms are made of positively charged protons, as part of the central nucleus, and negatively charged electrons revolving around them in a circular motion, in one or more orbits. For our model, we will use an atom with one proton at the center and one electron circling around it (Fig. 66).

If these two opposite electrical charges get too close, *they cancel each other* and if they get too far apart they will not interact, and *will slowly lose their charge until we end up with nothing*. This is very much like what happens when you take two opposite colors (green and red, yellow and violet, or orange and blue) in pigment or colored light, and mix them together. They cancel each other out. The result is a colorless, dark grey pigment. We know that creation occurs through the balancing of the opposite charges. In our model, *the balancing law of motion* that governs the protons and electrons will produce a new unity in the form of the motion itself giving us the 'Atom' (Fig. 66).

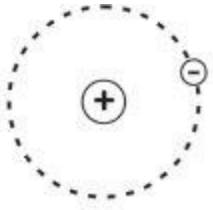


Fig. 66–Simplified model of atom

Imagine we have a gigantic atom, and that the proton and electron are two

oranges, hundreds of miles apart. One of them is moving around the other at such a high speed that wherever we put our hand, we can feel an orange. As we know, everything in the universe is pure energy, vibrating and pulsating at various frequencies. *What we perceive as solid is actually energy in motion.* So we have two oranges, but because one of them is moving very rapidly in an orbit around the other, we feel that what we have in front of us is a huge mega-orange! *The only components in our simplified model of this circular motion are these two particles, oranges or charges, positive and negative, which represent a miniscule part of the whole circular or spherical shape.* What is all the rest made of? The actual particles (which are the proton and electron in this case) make up much less than 1% of the volume, while 99% or more is just empty space. *This empty space is filled with motion that is balanced by the laws of a higher wisdom.* So it is a form of energy and not completely empty space.

We refer to the quality produced by the wisdom of the universe as the 'Centering Quality', *which takes the qualities inherent in the balancing role of the center and spreads them into the whole shape giving it all the same energy quality as the center.* This 'Centering Quality' puts a center in every point of the shape, so that the center is actually everywhere creating an ultimate permanent state of balance, unaffected by any changes in the shape. *The actual center of the central point has no time or space attributes, and therefore connects to a different dimension than the geometrical figure it balances*. This transcendental connection of the center to another dimension is a doorway through which the primordial timeless moment manifests within the duality of motion and shape. The shape actually becomes multidimensional through the 'Centering Quality'. Universal wisdom in this context produces that quality.

An interesting story that relates to this 'Centering Quality' is attributed to Leonardo da Vinci, the great genius of the Renaissance. When Leonardo was summoned to meet with the Pope who wanted to know more about this great artist and universal genius, all that he did was to draw a 'perfect circle'. Why was that so great? What Leonardo was demonstrating to the Pope was that the only way to draw a perfect circle is to *connect to the quality of the center, and enter into a state where one actually becomes that center.*

If you try to draw a 'perfect circle' you will probably try concentrating on the periphery with an eye on the center, but it will not work that way, as *you have to become the center by letting its quality fill your whole being*. Once

you identify with the center, you get saturated with that ‘Centering Quality’; *then you are the center*. It isn’t you anymore drawing the circle, you are just manifesting it out of your own being, and the circle comes out perfect. *Leonardo was only the spokesman who manifested the spiritual, balancing, harmonizing energy quality in the law of the circle.* He demonstrated in a very expressive way the secrets of those ancient esoteric societies without really divulging anything of those secrets. He presented it in a symbolic way for those who were able to understand the hidden meaning within, and to perceive the subtle energy quality released through it. The Pope was receptive to this type of symbolism. The whole dialogue was a symbolic subtle energy quality interaction between them. The outward appearance was a veil that became transparent to a few fortunate ones.

Divine Wisdom & Geometry

Geometrically balanced motion is what we will call ‘Divine Wisdom’. We call it divine because we attribute it to the primordial balancing laws. If we try to balance something mentally, from within time and space, we will never achieve perfection. This will result in either an excess of positive or negative, and we will end up having all sorts of different forms of imbalance that may manifest as disease, evil and environmental problems. However, when it is totally balanced through a center from beyond our dimension, having an origin in the first laws of balance at the beginning of creation, then it is labeled ‘Divine’. Ultimate balance can only be achieved through transcendence beyond the intellect or personality. The only way this can be achieved is by accessing the primordial spiritual quality of energy.

We now know that everything in our perceived reality is mainly made of perfectly balanced motion that we perceive as Divine Wisdom. *Then it follows that everything in our perceived reality is Divine Wisdom, even us! The main constituent of our body is Divine Wisdom.* The word ‘Divine’ is used here in its abstract form and not linked to any belief or concept of God. It just denotes the primordial intelligence of the universe. In that sense, it is a form of scientific explanation that supports all religions and beliefs. We are now deep in our discussion of the holistic, universal integration of science and practical spirituality, irrespective of any belief system. This makes us wonder when and how science and spirituality ever became so vastly

artificially separated?

Let us go a step further from our atom and look at the molecule. We learn in chemistry that when we join atoms in specific geometrical patterns, we get the molecule of a particular substance. Each molecule is made up of atoms that are negligible in size in relationship to the resulting molecule. We then end up again with 99% motion or 'Wisdom' as the main constituent on that level. However, by joining the same types of atoms in different geometrical configurations, we get different types of molecules. Therefore, it is not only the properties of the atoms that give the different molecules their unique qualities; the geometrical relationship (shape) between the atoms also plays a major role in creating the distinctive properties (Fig. 67). Shapes are the divine archetypal laws of movement frozen into matter. We will find that on every level we have shape, which is the outward expression of the balancing motion, as an expression of a Higher Wisdom. A divine pen is writing and expressing its wisdom in what we perceive as the shapes of nature. The question is: Who Can Read?

Fig. 67– Water molecule

The Boundary & Interface

One of the laws that allow form or shape to create spiritual energy is the law of interfaces. An interface is the boundary between two things. We have two levels of boundaries; the first and simple boundary level *is what we find whenever two surfaces of different materials touch*. Any two surfaces have different energy qualities, and whenever we have two different energy qualities interacting, we have a boundary that emanates a Negative Green carrier wave. This could explain the special feelings we often experience when looking at the horizon or the seashore. The Negative Green emanating

from the boundary of the horizon, or the boundary between sand and water, boosts our system with this energy of connectivity making it a perfect setting for prayer or meditation.

Another type of boundary which creates an interface *is this special configuration of the boundary in which each part flows into the other*. In topography for example, a mountain rising into the sky or a peninsula going into the sea or a bay, are such interfaces. When we have a real interface, and not just a boundary, we will find an emanation of a harmonizing energy quality that we measure as BG3. *A double interface would be like a cave in a mountain*. That is why we find, in many religious traditions, caves used by mystics as spiritual retreats.

This aspect of interface is something we use in our BioGeometry architectural teachings, and we find that it is a concept that was prevalent in the past. This design feature is very common in Islamic architecture where the double interface is achieved through the use of certain shapes at the top of the outer walls to create a sort of interlock between the building and the sky (Fig. 68) (Fig. 69). A double interface occurs when the positive and the negative have identical, similar shapes or special proportions, making them more powerful.

I always wondered how some people could spend many hours enjoying playing with puzzles, until I realized that puzzles are actually very powerful spiritual exercises. As the person is fitting the interlocking parts, the body resonates with a harmonizing energy. Many of what we consider just games that have survived through the ages such as chess, are in reality treasure chests of ancient esoteric sciences, and because of our lack of knowledge, we see them only as games.

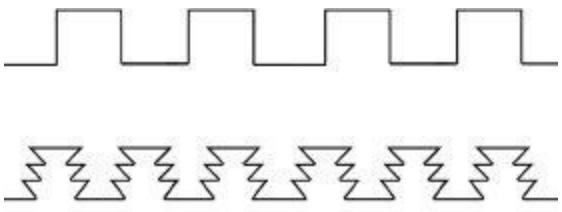


Fig. 68 – Samples of Interface in architecture

Fig. 69 – Mosque with Double Interface

Boundary and Open Energy Systems

What gives any shape its distinctive feature? The peripheral boundary of a shape acts as an insulating separation layer between the internal energy system and the outer environment. It controls the internal-external information energy exchange. This layer reflects the light waves that make the shape visible, and also carries the information on the attributes of the shape's surface and geometrical configuration. The light waves, however, convey much more than just the visual aspect of shape, which itself is a product of the total energy-forming process of the object. It also carries the information about the qualities and configuration of the internal energy pattern which it radiates to the surrounding environment.

As we have mentioned before, the external surface of a boundary has a Negative Green energy quality. This means that the boundary has a penetrative carrier wave quality, which carries information through energy exchange between the inner and outer environments of the object. Through this subtle energy quality, boundaries simultaneously separate and communicate. This energy exchange penetrative quality is meshed within the reflective separating properties of the surface, resulting in a delicately harmonized balance between the individuality of the shape, and its collective role as an open energy system exchanging energy with its surroundings (Fig. 70).

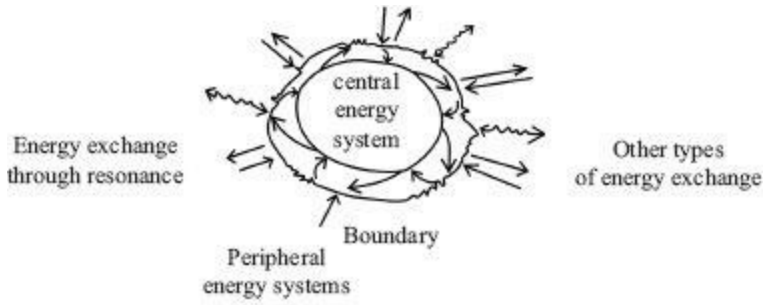


Fig. 70 –The power of boundary

In order to illustrate the properties of the boundary of energy systems, let us take the skin as an example. The skin is the most underrated of our body organs, besides being responsible for our touch sense its functions go far beyond what we normally presume. It is the main protective layer that separates us from the outside environment; it is our boundary that has a light reflecting surface marking the shape of our body, and a fat layer that acts as an insulator so that our internal energy does not dissipate into the environment. However, we are an open energy system and as such, the skin needs to have 'windows' through which the inner energy system can get information from the environment, as the inner cycles of the body functions are in harmony with the cycles of nature. For this purpose there are special points with a higher electromagnetic conductivity than the rest of the skin that act as sensors or windows in a house. The person inside can look to see what is happening outside (Is it daylight, shall I get up? etc…). These 'windows' or points are what we refer to as 'Acupuncture Points'. They are joined by energy paths along the body, called meridians. We traditionally use these 'windows' to try and affect the inner workings of the body as practiced in Chinese Medicine. The windows in this case are used to peep inside the house. However, we should be aware that the primary function of these points is to mediate between 'us' from the inside and the outside world.

Like any boundary the skin has a Negative Green subtle energy quality that facilitates information exchange between the inner and outer environments. The fat layer of the skin acts as a storage medium of information, and as such it is like a 'hard disk' containing a copy of all internal and external interactions in our lives. In the Holy Quran it is said that when we die our skin will reveal everything about our actions in this life. Primitive Man and shamans were aware of these properties of the skin so it is no surprise that we find them wearing the skin of the animal whose energy

properties they wish to acquire for a certain purpose.

If we take these concepts of subtle energy exchange with the environment to the personal level, we will find that we are an open energy system in which each person is constantly being affected by, and also affecting the collective state in his surroundings. For example, we inhale air which exists out there in a collective external state; we are changed by it, we use it individually, changing it and breathing it out to become part of collective air again. Similarly, what we eat or drink changes form as it comes out. Likewise, our emotions cannot be a closed energy system. We use the emotional attribute of energy existing in an abstract collective state in our environment, we interact with it, modify it, before it goes out again to the collective. In other words, we are constantly changing the collective vitality, emotional, mental, and spiritual qualities of our environment and vice versa. *These are all energy fields of different dimensions that exchange information in a resonant way all the time* (Fig. 71).

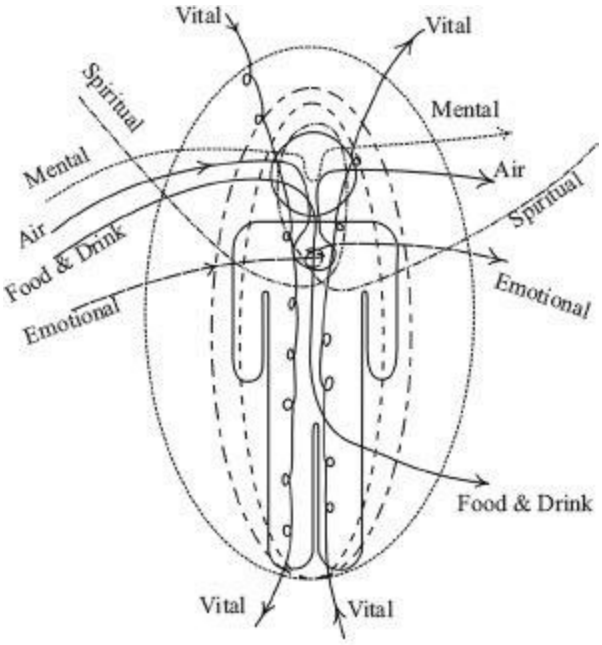


Fig. 71 – Human Open Energy System

There is a universal aspect to our seeing, our thinking, and our feeling. These are the attributes within the essence of energy that are also present in all its transformations. When we use our sense of sight, the reflected waves from the surroundings go to our eyes and are sent as a nerve signal to our brain, where the image is formed and then projected out again to shape the perceived reality in front of us. *It is an internal light, created by the brain as*

a reaction to the stimulus of the incoming waves, which projects an external light. The awareness of the meaning and content of the external image is formed when abstract consciousness interacts with our memory data-bank.

We are a certain complex energy pattern that manifests as humanity with all the primordial attributes of energy existing within it. Some are dormant, and others are active. This holistic universal way of looking at the perception process of the senses might shed light on the philosophical questions posed by Sufi mystics, such as: "Do we see, or is it the light that sees?"

Awareness

The first 'Word' that created everything in the universe, and has in its meaning all the qualities needed by any type of living energy system, prevails as the hidden essence within all types of energy manifestations. Energy, in all its forms, has a hidden wisdom and is aware and conscious. Awareness and consciousness in their basic universal form, involve a certain mental or intellectual activity, dealing with interconnected forces of duality in an abstract manner in what we would call a basic form of perception. The energy in the room where we are has a mental and emotional abstract consciousness as part of its essence. We must, therefore, see energy in its multidimensional form, from the physical level all the way through the emotional and mental levels to the higher spiritual levels. We can then understand that awareness, emotions, and intent play an important role in affecting the quality of interaction with any form of energy within any type of system. These aspects not only play a role in the interaction with animate objects like humans, animals and plants, but play an important role in the interaction with inanimate objects such as buildings, machines and also natural elements like mountains and lakes. This awareness was at the core of many ancient rituals.

In order to fully understand the workings of consciousness and the resulting awareness within any type of system, we must look at awareness in a very broad sense, without restricting it to our human or animal type of perception. When speaking of awareness, we must realize that there is a vast hierarchy to it. For example, the cells in your body are aware. A cell within the immune system detects a virus, but your awareness cannot detect that virus although it is part of your body. When you look at a person you are aware of the person as a whole, but not of his individual cells. The cell,

however, is aware of other cells, but not of the person as a whole.

So how does awareness work? Awareness works when this universal attribute of abstract consciousness within the essence of primordial energy itself interacts with our data-bank. It interacts with the contents of our data-bank to create our level and dimension of awareness. The level and area of awareness in the data-bank of any organism depends on the range of its sensory systems. *The same attribute of universal consciousness that is present in the room creates a different kind of awareness in different energy systems.* Even the room, or space we are in, has its own sense of awareness of what is happening within it, but in a totally different manner and level than what we usually understand as awareness. The room is aware of the resulting energy quality of actions within its space, is affected by it, and in turn changes the way it affects the functions within it. In plants, it creates plant awareness; it goes into a cell and creates cell awareness. If we are all aware, then why can't I then speak to the plant or to the cells of my body?

There must be a universal language we can all understand at some level before the data-bank of the species provides the content for a language of communication within its perceived dimension. On the subtle energy level, beyond the perception that works through our data-bank, there are other types of awareness that we do not directly perceive, such as the levels of awareness within the body functions and organs down to the cellular and DNA levels. If we could find the primordial universal language that interconnects everything in the universe and keeps its unity, maybe we could communicate and exchange information with the wind, speak to the trees, animals and birds, actually to everything in the universe, whether visible or invisible.

What is this primordial language? It cannot come from our *perceived reality* because the reality that we see needs the five senses to form it. There is another language that exists that was always there before our *perceived reality* was created. What is it and how can we access it?

The language from which the first Word emerged is ever present. Although it is at the core of our existence, we cannot access it from our time-space dimension which is governing the perception level of our species. Looking at it quantitatively, the first impulse of the Big Bang was the center of radiation that created the universe. Everything is a result of the harmonic interactions of different vibrations. From those wave interactions, everything emerged.

The BioGeometry Multidimensional Energy Model

One cannot find an intellectual or emotional form of communication in a quantitative perception of creation. On the qualitative side, however, the first Word infused the resulting vibrations with all the latent attributes present in the primordial state from which it emerged. Those attributes radiate through the universe as the subtle hidden energy qualities that are carried on all kinds of waves, weaving the pattern of all created things. Our research shows that these longitudinal waves are holistic in nature and encompass qualitative components that move along emotional, mental and spiritual planes embedded within the two orthogonal (electric and magnetic) planes of motion (Fig. 72). This weave of multi-dimensional wave patterns is the universal storehouse of information from which all creation emerges and returns.

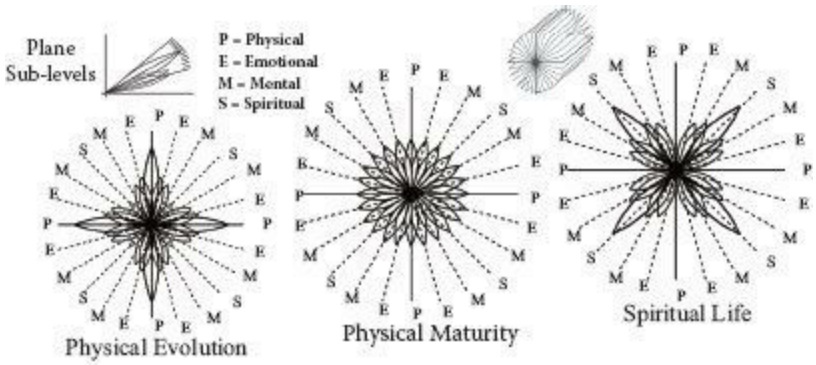


Fig. 72 – Multidimensional wave planes

In this experimentally developed multidimensional energy propagation model, the waves move along the planes in the form of energy bundles (with each of the sub-planes slightly shifted) forming a tubular shape with a section similar to a flower petal as shown in the diagram (Fig. 72). The stylized flower petal shapes of the diagram are in reality very irregular. When detected by different persons in different situations they give a lot of information on the multilevel qualities of their energy pattern at the moment. The planes interpenetrate in certain significant areas.

These embedded higher planes of nature move at speeds faster than light and each of the sub-planes moves at a different speed. The embedded longitudinal waves of this model, although similar to Scalar or Torsion waves in principle, are different in many ways: They are multidimensional wave bundles moving at different speeds on more subtle levels and dimensions. These waves move along different time-space dimensions. The spiritual plane

is beyond time and space, with a speed of zero and infinity simultaneously, it is present everywhere and nowhere at any time, future, past or present. It balances and holds the rest together through the center. This is the ever-present timeless, space-less state from which everything emerges and falls back into.

Time in this model is due to friction waves caused by the different speeds of motion between the sub-planes. As friction boundary waves, they have the highly penetrative negative green quality that interacts with the energy properties of other systems.

This model is very helpful in applying higher dimensions of energy quality to restore environmental harmony, especially in dealing with the psychosomatic effects of electrosmog.

The Universal Language

W*e have an innate perception of the quality of waves as a sense of rhythm*. Besides the quantitative effect of the frequency of rhythm, we are qualitatively affected by rhythm on a physical, vital, emotional, mental, and spiritual level. In the science of Harmonics, there is no difference in essence between rhythms and notes. When rhythm is accelerated to a very high speed, it becomes a musical note[30]; notes are qualities. In a musical piece, we have the qualities of the notes and also the qualities of rhythm.

Rhythm also expresses the qualities behind its quantitative aspect, and is thus through the law of Harmonic Resonance a primordial, universal, qualitative language of communication between all things in existence. When Pythagoras said that everything is number, he was transcending the quantitative aspect to include the qualities of numbers as living entities that formed the universe. **T**he common language of the universe within all the different time and space dimensions is rhythm. Let’s take a look inside ourselves; our very life is dependent on the rhythm of the heart, any irregularity in that rhythm causes a disturbance in our system. Everything in the universe has its rhythm at one level or another. If we could understand those rhythms and repeat them, we could communicate with the universe. Without being aware on the conscious level, we already do many things to access the internal language of rhythm.

M*usic, as one of the manifestations of the laws of Rhythm and*

Harmonics, imprints the subtle energy qualities of the universe, from which its laws are derived, into the physical world. With music, we try to go back to the primordial consciousness where we could communicate with the universe using the language of rhythm with the harmonic laws of the universe. The qualities carried by the rhythms are then decoded into our system through right-brain consciousness that we refer to as 'The Perception of the Heart'. This is, in essence, what mystics refer to as the 'Knowledge of the Heart'. We use the rhythm and melody of music to enter into resonance with the whole universe. By their rhythmic motion, music and dancing can communicate with the universal laws of nature. This is the ancient science of Harmonics as practiced in the temples of Ancient Egypt and made partly known to the West by Pythagoras.

Pythagoras expressed the universal laws through mathematics and geometry, as part of the knowledge he had acquired from the years he had spent in the temples of Ancient Egypt. The Ancient Egyptians used number and geometry in their qualitative aspect to create a two-way communication with the powers of nature. They taught us that those qualities, like musical sounds and colors, can be derived through numerical values. Unfortunately, all these ways of qualitative communication with the universe have been lost and mathematics has been confined to its modern quantitative form. Mathematics has proven to be very useful in building our modern technology which brought leisure into everyday life, but that was at the cost of losing touch with the subtle energy qualities in nature. *We have lost the image and rhythm based communication of right-brain perception that connected us with universal knowledge and the natural powers of nature.*

When two energy fields are in resonance and exchange information, something happens after the resonance is over. The two systems do not go back to their original state. A sort of vibratory impregnation occurs, which means that part of the new information leaves an imprint on both energy systems. Accordingly all systems in the universe are in constant interaction and evolution through resonance.

What exactly is implied by impregnation? There is a sort of memory effect in every energy system; if in every interaction between two energy systems an information exchange takes place, then these systems are in constant evolution and growth. This quality of interaction affects the awareness and perception that creates an individual reality for that system which, in turn leads to forming a personality that will characterize the

subsequent communication and interaction of the system.

All energy systems of any kind are living entities and have their own personalities. We can only speak of living energy systems as part of a living universe. Everything in the universe from the atom, grain of sand, plants, humans, the solar system, up to the whole universe, has a personality of some sort that interacts within its own perception of time and space, as well as with other energy systems. Everything is alive and interconnected; as a poet once said, “you cannot pluck a flower without disturbing a distant star.”

Shifts of Perception in Mankind

Carl Jung

Most of the great minds that influenced our lives had an esoteric spiritual background that they rarely revealed publicly. Isaac Newton for example, experimented in Alchemy secretly in his laboratory[31]. Rudolf Steiner, one of the greatest thinkers of the 20th century, was firmly anchored in spirituality. Carl Jung, the Swiss psychologist, was among the most influential scholars of his time, along with other Europeans like the writer and poet Johann Wolfgang von Goethe; they were all influenced by the early Christian Gnostic School that had its roots in the Ancient Egyptian way of thinking[32].

When I studied in Zurich, Switzerland, in the late fifties, Carl Jung was a prominent but controversial figure in psychology because he transcended the boundaries of psychology into the spiritual and esoteric realms. Many mainstream psychologists, especially Freudians, criticized Jung for bringing spiritual doctrines into psychology.

In his writings, Jung distinguishes four stages of mankind[33]: Primitive Man, Ancient Man, Modern Man and Contemporary Man. Jung uses these terms to categorize the different stages of focal shifts from the holistic type of right-brain perception, into the detailed and analytical type of left-brain perception. Those shifts of perception brought on the emergence of the 'I' or 'ego' from the abstract collective realm, to form the strong individualized personality of today's modern mankind.

We will use Jung's categorization of the different stages and types of perception, to understand the inner source from which humanity interacted with the forces of nature in its artistic and architectural expressions in the different eras of civilization (Fig. 73). This categorization corresponds to stages of gradual shift of perception from the right brain hemisphere to the left one. In Figure 72, the (R) refers to the right hemisphere and the (L) refers to the left hemisphere. In reality, there is no distinct spatial separation between the right and left hemispheres. There is a bridge, a bunch of nerve fibers known as the 'corpus callosum'. In a normal human being, the hemispheres are synchronized. The distinct separation we see in the illustration can only be found in patients whose hemispheres have been surgically split (please understand that models are not necessarily scientifically accurate, but serve as conceptual guides to enhance a functional understanding of states of perception).

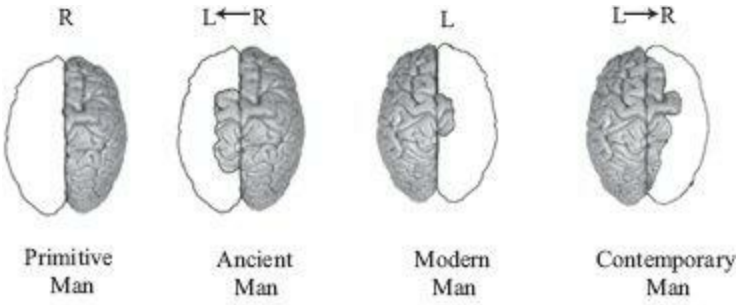


Fig. 73 – Jung: Categorization of focal shifts of perception

The right-brain type of perception is the one that has a holistic view, which is an awareness of the patterns of relationships between their components. This state of perception is characterized by an increase of alpha brainwaves (7-10 Hz) that raise the level of receptivity and relaxation as well as the connectivity with the earth's natural vibration of the same frequency, known as 'Schumann Waves'. It is sought in meditation, prayer, yoga, and many other similar activities. Right-brain perception is receptive awareness of the totality of relationships in a situation without focus on detail. The shift of attention from relationships to detail characterizes the shift from right to left-brain perception, which would be a type of active awareness with more focusing. The right-brain state of receptive awareness is a relaxed state, in which we perceive the relationships creating the overall patterns of images, motion, and geometrical shapes.

In order to understand how the right brain works, let us imagine what happens when we are in a long lecture and the speaker's voice has a monotone rhythm. We start getting distracted and daydream. While daydreaming, if someone comes and asks us any mathematical questions or any linguistic questions we will probably not be able to answer immediately. When we daydream, we are in a right-brain perception mode. We will not know the answer which needs a left-brain perception, and we could feel 'out of it'. Normally, while we are daydreaming, we can visualize things: see things even with our eyes closed independently of the senses. Other times, when we drift too much into the right-brain mode, we may stutter or say the wrong words. This general awareness will make us part of what we receive, part of what happens, while we are just sitting there and not talking. In right-brain perception, there is only a weak manifestation of the 'I/ego' There is no analytic, objective view: we and the universe are one.

The consciousness of the 'I/ego' as we know it, is in the left-brain perception. The left-brain perception is your main sensory perception. This is

where your senses go into the meaning level, and this is where thinking takes place. Awareness in the left-brain is actively focusing on detail, not passively receiving the general impression, as in the right-brain. Focusing means we can do things like analyze, break something into parts, and calculate. The senses create our perceived world. When we see a picture from left-brain perception, we focus on details. If a bit of right-brain perception kicks in, we may see the picture differently. The components become part of the whole. This is our awakening consciousness in its fullest form when both types of perception are working together.

The act of 'focusing' in our daily consciousness is a form of concentration. We cannot interact in that way for a long period of time without becoming stressed, which is why sleep becomes important. It's a way of giving our left-brain perception a break. When sleep is not possible, our mind will stray into daydreaming. When our brain needs an outlet from stress, it switches perceptions from left to right brain in order to relax. Our perception of rhythm is a good example to illustrate this point. In left-brain perception, we are sensitive to the opposites in rhythm, and are aware of the details that make up the rhythm. In right-brain perception, we are aware of the whole rhythm as if standing in the middle experiencing its parts. By standing in the middle we are in tune with the rhythm. We feel the quality of the rhythm through the proportional relationship of the intervals between the notes, and the notes themselves. The silence between the beats becomes a major player in the quality of the rhythm. When we are receiving holistic information the laws of the universe manifest.

Animals mainly use right-brain perception and do not have a strong 'I/ego'. They are instinctively receptive to the laws of nature, with which they live in total harmony. They have a herd consciousness; each belongs to its group which communicates as one being. We can see this in flocks of birds when they fly moving in synchronized harmony, the group consciousness imposes itself on the weaker 'I/ego' of the individual bird (Fig. 74). A collective sense of pattern is evident. Another example can be seen in the way birds build their nests; the same species build their nests in a very specific and similar manner around the world. They instinctively follow the laws of nature to reach the ideal shape for their home and optimum energy quality for their species. Rupert Sheldrake explains such phenomena through the collective information of a species, stored in what he calls 'Morphogenetic Fields' that affect the behavior of the species, irrespective of time or place[34].

Fig. 74– Migrating flock of birds

Primitive Man lived within the rules of nature in a state of pure harmony in a collective tribal consciousness, governed mainly by right-brain perception. How did Primitive Man discover his 'sacred power spots'? One might assume he was imitating the animals by going to the spot, but it is more probable that he had a similar or more advanced type of perception and an advanced form of intuition, which enabled him to see, feel and interact with the quality of the 'light' emanating from the spot.

From Primitive to Ancient Man

The shift from Primitive Man to Ancient Man, begins when the 'I/ ego' starts to function within one's world view. In the beginning of the shift, the 'I/ego' was still weak. People were shifting from right-brain perception to left-brain perception while, the 'I/ego' was still strongly linked to the right-brain. It was a point of delicate balance where the left-brain 'I/ego' was still a spokesman for the holistic perception of the natural laws.

Ancient Man with his right-brain perception was developing the conscious ego in the left-brain perception. With Ancient Man, both perceptions were equally functioning (Fig. 75). In Modern Man, however, the focus of everyday awareness moves into left-brain perception. The awareness of right-brain perception becomes weaker, so the person becomes a full 'I/ego'. The shift out of our subconscious realm is completed. Our awareness

of the subconscious is lost. There is now only the all-prevailing 'I/ego'. This is the state of Modern Man.

Freud tried to look back to discover the power of the subconscious. Thinking from 'I/ego' became very important for Modern Man, who is anchored within left-brain perception. The 'I/ego' became strong to a point where people often are not able to participate in team work without causing disharmony. Today, this strong 'I/ego' is at the root of many of the social problems that we face worldwide on all levels.

Interestingly enough, Jung saw a continuation of a progression in the type of perception from Primitive, to Ancient, to Modern Man. He pointed out that a very small fraction of Modern Man falls into what he categorized as 'Contemporary Man'. This Contemporary Man is reaching out towards an emerging new state of awareness, in which he is attempting to access the universal holistic information of his right-brain perception.

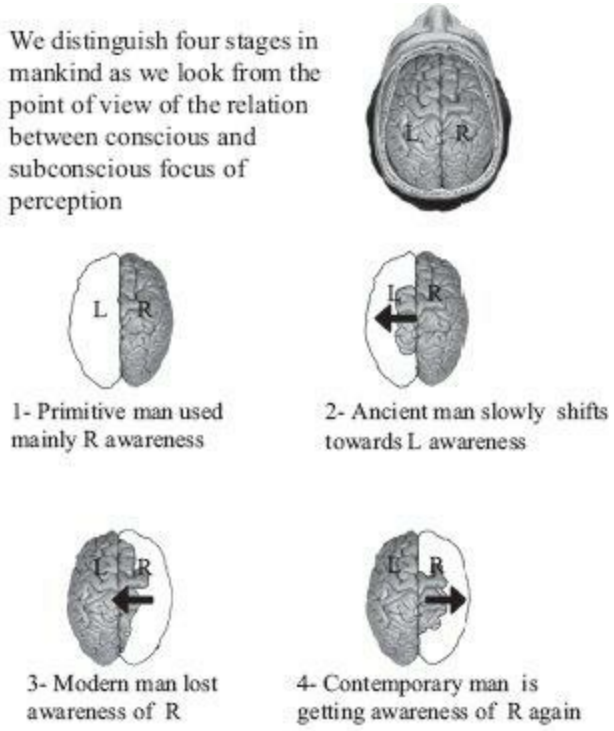

We distinguish four stages in mankind as we look from the point of view of the relation between conscious and subconscious focus of perception
L
R
1- Primitive man used mainly R awareness
2- Ancient man slowly shifts towards L awareness
3- Modern man lost awareness of R
4- Contemporary man is getting awareness of R again

Fig. 75 –The use of the brain throughout history

There were different periods when the perception of humanity shifted from the right-brain perception to the left-brain perception of the 'I/ego'. Scholars gave different dates for the shift. The philosopher, William James, sets this shift from Primitive Man to Ancient Man at a period around 1250 B.C. However, if we apply Jung's categorization to Egypt and look at the

civilization of Ancient Egypt, we discover that the shift had happened in Egypt around two thousand years earlier than what was assumed by William James. At the same time that the cavemen lived in Europe, there was a very advanced civilization in Egypt. History records that this shift took place in different areas of the world at different times within the period between 5000 B.C. and 1250 B.C.

We could call this shift from Primitive right-brain perception to Ancient left-brain perception the first 'Great Shift'. A second shift occurred later with the evolution from Ancient Man to Modern Man. Such shifts in perception, although very gradual, mark the turning points of human evolution.

The Magical Universe

Our senses pick-up different vibratory ranges to create color, sound, smell, touch and taste, which when put together in the meaning level of the brain, create our reality and project it in front of us to form our world. We can, for example, look at the idea developed in the Renaissance era as 'perspective' (Fig. 76), which uses a method of constructing three-dimensional realities as emerging from one or more points at the eye level of the observer and vanishing back into them. If these vanishing points of the perspective are really emergence or projection points within us, then we can see ourselves as the centers of our perceived reality. So from the human perception point of view, my reality and my universe are centered in my head. This viewpoint leads us to a concept that was sometimes referred to as the 'Magical Universe'.

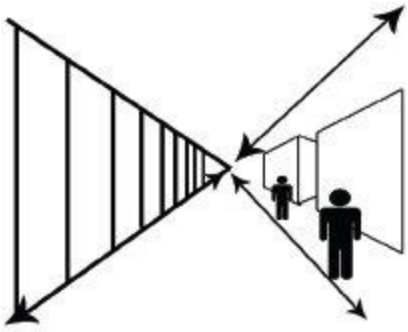


Fig. 76 – Perspective

In the concept of the 'Magical Universe', the universe is perceived as

geocentric, with the Earth at the center. This concept that prevailed in sacred art and was supported by the church, is accurate from the qualitative sensory point of view, based on how reality is perceived. The physical fact, however, that our solar system is heliocentric, with the sun at the center, seems to disprove the geocentric point of view, until we connect it to the way we perceive our reality, which explains it perfectly. The occult and esoteric aspects behind the geocentric concepts were not common knowledge which led some to think that with new astronomical discoveries the old geocentric belief was replaced by the heliocentric theory.

In reality, both the geocentric and the heliocentric points of view were understood in ancient times. How could ancient mariners sail the oceans and seas, unless they knew the astronomical facts about the sun and the stars? It is evident that the Ancient Egyptians were very advanced in Astronomical sciences, which they even incorporated in the design of their temples and pyramids.

The heliocentric solar system is the absolute physical reality of the planets circling the sun. This knowledge is essential for practical purposes related to everyday life such as travel and agriculture. The geocentric system, on the other hand, is based on the perceived reality with the observer at its center, a concept that is prevalent in sacred rituals. In reality, however, we perceive the knowledge based heliocentric concept through our sensory geocentric point of view; they are, therefore, two faces of one coin.

In the Physics of Quality, on which BioGeometry is based, we derive the qualitative scales of measurements from scales of sensory perception such as color or sound. These scales interact together in the meaning level of the brain and form an image of the perceived reality which is projected outside us. The perceived reality is only a small fragment of the absolute reality from which our senses access the information (from very limited vibratory ranges) to form our perceived reality. The qualitative effects on our subtle energy system from all dimensions of the environment are experienced in a sensory or extrasensory way through our perceived reality. Qualities are a result of an interaction between two energy systems. The sound from a string when plucked is only perceived if a person is present; otherwise it is just a movement of air without any sound. The observer is needed to manifest the qualities of sound, color, shape, smell, and taste, that form our perceived reality. The perceived reality is composed out of the qualities we perceive and project. Perceived reality is like a filter between us and the absolute

reality. It forms our world out of the selected information and prevents us from becoming overwhelmed.

In qualitative measurements, we use the qualitative criteria and scales from the perceived reality to access the other effects beyond our perceived reality (such as color, sound, and so on) that also have a qualitative effect on our subtle energy systems. To do that, we transform the qualitative scales of perception from within our perceived reality, into abstract universal scales that are applied into all vibratory ranges of the total absolute reality. A color, for example, will represent an abstract quality beyond the color range that does not necessarily reflect the color itself, but only a hidden quality within it.

In a science of quality which is based on a Physics of Quality, and a Qualitative Harmonic System, the perceived reality of the Geocentric Universe is the only way through which we can also access the universal qualitative effects of the absolute total reality.

Subtle Energy Practices of Primitive Man

Primitive Man had very strong instincts. In his own way, he began to understand the power of motion from the communication and information exchange point of view. He noticed that if he mimicked the motion or took the shape of an animal he felt like that animal, because on a vibratory subtle energy level both became like of copies of each other. Primitive Man discovered that he could further enhance this resonance by wearing an animal skin. If he wore the skin of a lion and moved like a lion during a battle or a hunt, he felt he acquired the courage and strength of the lion and felt like the ‘king of the jungle’, and so he chose to mimic the animal that had the qualities he most required for his survival. Today we still find shamans in many cultures performing very similar ritualistic rites to develop their vision. For example, they would wear an eagle’s mask, as a way of using the shape of the bird to resonate with its energy qualities. This is what we now actually do with all the action figures of heroes, superstars and super models, which children love. Children are close to nature and are impressionable to the point that studies have shown that as the figures and games become more real, the boundaries between reality and fiction fade away. Here we have the potential of an imminent and real danger.

Furthermore, Primitive Man discovered that if he drew the shape of an animal and used rituals of connectivity through *resonance*, the drawing became animated with the subtle energy quality of that animal. If he pointed a sharp weapon at the drawing, he saw through his primitive perception that the energy of the animal was affected. The drawings of the hunters throwing spears at the animal were already part of the hunt. These drawings were not meant as artwork; that is why they were not found near the entrance of the cave where they could be seen. By drawing those pictures on the wall in an area of the cave that manifested a communicative sacred energy quality, they enhanced the resonant effect (Fig. 77). Some might call this a form of functional art or 'sympathetic magic'.[35] But in fact, it is resonance in action. Isn't that what science is all about? First, observation, then repeatability under similar circumstances, with similar results.

Fig. 77 – Cave paintings from Altamira, France

The Language of Ancient Man

The transition from Primitive Man to Ancient Man was a huge shift in perception that drastically changed the worldview, and was accompanied by a strengthening of the 'I/ego' as a result of the movement of focus towards left-brain perception. With the development of logical, mathematical, and analytical mental abilities, Primitive Man started developing a civilization. At this stage, right-brain perception was still stronger than left-brain perception. The 'I/ego' became stronger than before, but not yet as strong as the forces of the collective, the subconscious, or the transcendental realms. He was still attached to the powers of nature with which he strives to be in harmony. This emerging civilization was the result of the harmonious role of the individual within the collective aspects of society and the laws of nature.

The sciences of this period were equally founded on the analytical

quantitative methods that developed into modern science, as well as the qualitative harmonic laws that synchronized them with the powers of nature. The ancient sciences dealt with the powers of nature in a practical way to enhance every day activities.

Taking the Ancient Egyptian as an example, we find that he started moving his focus from right-brain perception into left-brain perception. But at this stage, he applied the new abilities to interact with the content of the old perception, and developed sciences that bridged both types of perception. For example, when he drew something, *he drew the archetypal stylized figure, representing the geometric laws of nature behind the physical manifestation of that thing. The drawing connected through resonance to other dimensions beyond the visual representation, where the geometrical templates expressing the laws of the perfect forms are found.* At that time, to analyze and put letters together to describe the object in his left-brain perception was not the only goal; he still wanted to invoke the object in his right-brain perception in an energetic sense, and acquire its qualities as new information within himself. That is why it was natural for him to develop a sacred language of hieroglyphics[40] as a pictorial language leading to experiencing something.

Experiencing through becoming something was a form of harmonic resonance. *Harmonics is the language of the universe that works through resonance, which in turn leads to exchange of information, and to an overall unity of the multidimensional universe.* For every day communication related to mundane things, the Ancient Egyptians used simplified forms that worked more like a modern alphabet without the complex symbolic resonant properties of the sacred language.

Symbolism in Ancient Egypt was a method of communication, anchored in resonance to achieve full information exchange between the symbol and the source. If we take the heart as an example, we see a variety of references to its transcendental role in many cultures: “Don’t take it to heart,” or “Judge it with your heart,” and so on. The heart for the Ancient Egyptian was not only an organ in the body, but also symbolic of the inner essence. It was written as a feather representing the sound ‘i’ and a lower leg representing the sound ‘b’ to be pronounced ‘ib’, and had an additional symbol of a jar with a lid. It could have been pronounced ‘ab’ or ‘ib’, as we do not know how they pronounced the words, since they did not write the vowels. The feather also represented ‘Maat’ which stood for cosmic order, truth, harmony, and balance. In the afterlife, the heart was weighed against the feather

representing ‘Maat’ (Fig. 78).

Fig. 78 –Weighing of the Heart

We conducted some experiments and found that if one stressed the feather “i” and pronounced the heart as “iiiiiiiiiiib”, accentuating and resonating with the feather “i”, it balanced and harmonized the heart energy center (Heart Chakra), and in so doing, brought it into resonance with the feather of ‘Maat’. Interestingly enough, the “iiiiiiii” alone without the ‘b’ at the end had no effect; this is because the energy quality of the feather bringing harmony has to be applied to motion and support, expressed by the lower leg in order to manifest from the abstract to the practical. In other words, the heart is a receptacle of the laws of balance and order to bring harmony into our actions (Fig. 79).

Fig. 79 – Heart (IB in Hieroglyphic)

The relationship of ‘Maat’ with the wisdom of the heart is evident here, and the balance represents resonance between them. The heart is taken from a physical organ to become the center of one’s being which is, in turn, connected to the ‘Maat’ of universal order, truth, wisdom and harmony, which was the essence of the prosperity of Egypt. The Ancient Egyptians understood that they could not directly connect to the transcendent essence of

the Divine beyond time and space, so they interacted with its manifestations as the powers of nature. And, since these powers are abstract, the brain produces by association from the contents of its data bank of information the nearest thing to a perceivable personified image of that power. The power is not personified; the brain is personifying it in its process of perception. The image of that specific power of nature is further personified in detail by adding objects from nature that reflect the energy quality of this power. This composite image of a certain power of nature will bring the perceiver into awareness and resonance with that power. In order to illustrate this idea, we can look at how in Roman mythology the planet Mars is depicted as a god. When the Romans personified the power of the planet Mars, they used a system of sympathetic resonant relationships; when they tuned into Mars, they felt the same energy quality of resonance as with that of the metal iron, which in turn is similar to the energy quality of the red color. They would also look for all the things in nature emitting the same type of energy quality as the planet Mars. This red quality could be found in any form: in rocks, in plants, in actions involving power, and even in musical notes, (in this case the 'Do/C'). When we are in resonance with something red, everything around us with the red vibration quality enters into this resonance and becomes interconnected, thus increasing the effect of that quality. A warrior carrying an iron shield, armor and sword would be a good representation of the power of that effect. Since iron as we now know also has the red energy quality, they would add the color red to some detail, and add representations of different things with the red energy quality. The total picture of Mars becomes a textbook image showing us the manifestations of that power of nature or energy quality in many forms throughout nature. *It is not anymore the planet Mars, but the Martian energy quality manifested in nature.*

This concept of representation or symbolism sheds light on the esoteric concept behind Tarot cards. The precision and details on each card manifest a certain energy quality or law of nature. In this aspect, we can see the Tarot deck of cards as a book of 'sympathetic magic' or resonant relationships categorizing things by their interlinked qualitative energy effects.

Subtle Energy Effect of Shape

Knowing the power of shapes and symbols, we can now understand how the

ancients used them. If we take the shape of a cobra, for example, it is no coincidence that the Ancient Egyptians often used it on their crowns. When wearing that shape, they were connecting with the law of that archetype. If we measure the cobra with an appropriate instrument, we will find it has a very strong emission of Negative Green (which has carrier wave quality), especially when it takes this familiar posture. This quality is also emanated from the shape itself to support the action (Fig. 80). When placed on the forehead on the sixth energy center (or chakra), the 'third eye chakra', we have a carrier wave emission that connects both the pituitary and the pineal glands to activate the lower and the crown chakras (Fig. 81). Every animal is a manifestation of one or more of nature's powers, so the shape of the cobra or any other animal has meaning, and emanates a subtle energy quality supporting that meaning. In this case the shape enhances the snake's hypnotic powers used to capture their prey.

Fig. 80 – The cobra
Negative Green position

Fig. 81 – Uraeus on forehead

When we examine some icons of saints, we find that they are often depicted holding plants or objects. We assume that whatever they are holding is a symbol, and we try to decipher the hidden message. This might be the case

sometimes. However, from the energy point of view *the saint is expressing his mission through the power of the plant or object, and is showing us the link through resonance with the specific energy quality involved.* What does this way of connecting with nature mean? When the shift from right-brain perception to left-brain perception began, the Egyptians felt that they were still connected to the unconscious invisible dimension. They knew what was 'hidden', and they could shift between the two worlds at will, since they perceived them as one interconnected reality, even though the focus was shifting towards the left-brain type of perception. Primitive Man could not develop such a civilization as he was totally focused on the right-brain type of perception, even when he functioned through the left-brain. Contemporary Man on the other hand, must look back into the unconscious and consciously join resonance with the forces of nature manifesting in there. Perhaps this is a stage mankind is going through. After our contemporary age, maybe the 'Golden Age' will allow mankind to regain the abilities he had in ancient times, but with full conscious control over them.

Ibrahim's Ancient Egypt

Ancient Egypt

Isis and Osiris

The Ancient Egyptians called the Nature Powers 'NTR', from which the word Nature could have its roots (provisionally pronounced NeTeR, since they did not write the vowels, and we do not know the exact ones used in each place).

***T**o the Ancient Egyptians the underlying fabric of the universe was governed by the NTRs.* These NTRs are often erroneously referred to by Egyptologists as 'gods'[36], while they were, in fact, in Ancient Egyptian belief attributes of the one God, which they perceived as an abstract, universal, omnipresent, omnipotent, unnamable Divinity. *Comparing them to our concept of angels representing the functions of the Universal Laws in nature, would be a more appropriate interpretation. The Ancient Egyptians were actually practicing a kind of universal harmony, which involved invocation of the NTR. These NTRs, being the manifestation of the animated powers of nature, were invoked through rituals based on Harmonic Resonance to manifest within the human energy field.*

This form of interaction with nature forces, angels or whatever traditional disciplines or cultures call them, are still practiced in different forms in many spiritual disciplines and mystical paths. The Sufis, for example, perform certain rituals to achieve dissolution (fanaa) in the Divine Attributes of the one God, and also the manifestation (holoul) of these Divine Attributes in the human psyche. This is similar to what the Ancient Egyptians did in the invocation of the Powers of Nature.

Once we acknowledge that energy in all its forms is conscious and intelligent, then we can view the energy functions and laws behind the powers of nature as animated with a form of life of their own, and understand the scientific truth behind what we label as 'mythology' in Ancient Egypt. This acknowledgement will enable Egyptologists to interpret their findings about this great civilization in a new light that will change our modern worldview of nature and help us realize a future where we and nature are in harmony. Mythological tales about living entities were in fact describing the attributes and interactions of subtle energy principles governing the animated powers of nature.

The most popular tale in Ancient Egyptian mythology is that of Isis and Osiris. The essence of this tale has been repeatedly revived and culturally

adapted through the ages down to our present time. Isis has become the universal symbol of the mother goddess and the feminine attributes of spirituality through the ages (Fig. 82)[37]. It is the classical story of love and sacrifice, which even includes a form of miraculous birth of their son 'Horus'. We might ask, did Osiris really exist or was he a fictional mythological figure representing a personification of a NTR? If we go back to a time before the recorded history of Ancient Egypt, a time that has been labeled 'Mythological' (future archeological discoveries will probably bring this period into history), we might very well find out that there was an actual king called Osiris. It actually does not really matter since the legend of 'Isis and Osiris' was inherently used symbolically to explain the working of certain animated powers in nature, such as the laws of birth, death, and rebirth after a sojourn in the judgment of the underworld.

Fig. 82 – Horus, Osiris and Isis

Today symbolism works differently; it has moved from the *energy quality resonant mode to an intellectual one.* In our left-brain perception worldview, a symbol is a representation of a complex idea to get a literal message across. For example, a policeman in uniform represents the law, but he is not the law, he just enforces it. To the Ancient Egyptians there was no representation, they became that thing. They would be invoking the abstract power of order in the universe behind the laws, and became one with it. So we see here that

symbolism in their world view was different. *They expressed an animated power of nature through a personified image containing its energy-quality attributes, which they used to connect through a form of resonance with that power.* They would be invoking the NTR as an entity. Furthermore, using geometrical shapes in specific proportions and angles, they developed scepters that were actually subtle energy devices in the hands of the NTRs.

Monotheism in Ancient Egypt

Let us consider the relationship of a multiplicity of NTRs (which are Divine Attributes) to the ultimate transcendental, uncreated Divinity, which mystics refer to as the 'Godhead', to differentiate it from the word 'God', when applied to the Divine Attributes. *This erroneous labeling of the NTRs as 'gods', and not as animated powers of nature, misleads the modern reader into thinking that there was a form of Pantheism at the time that was incompatible with Monotheism.* This mistaken interpretation has relegated Ancient Egypt to a land of ancient black magic, whose 'heretical beliefs' were 'corrected' with the emergence of the *Abrahamic* family of religions (Judaism, Christianity and Islam).

Many scholars make the mistake of regarding the Pharaoh Akhenaton, who ruled Egypt from about 1353 B.C. to 1335 B.C., as the first monotheist in recorded history. Akhenaton rejected the old religion and initiated a new form of sun worship of the one god 'Aton' (Fig.83). From our contemporary point of view, we consider his idea of monotheism as revolutionary at the time, as we assume that up until then, the Ancient Egyptians worshiped many gods. This however was not the case. As we explained earlier, the established state god 'Amon', as well as all the other gods, were the manifestation of the Powers of Nature: all attributes of the 'Godhead'. So here we find a shift to a form of monotheism that had only one symbol for 'god', in contrast to the established ones with a huge number of attributes in the form of animated nature powers.

Fig. 83 – Akhenaton and Nefertiti with sun symbol of Aton

The religion of ‘Aton’ lasted only through Akhenaton’s reign. Upon his death, everything related to his religious revolution was obliterated. Why were all traces of that period removed in such a way? Why did the Ancient Egyptians destroy his tomb and erase nearly all of the documented history of that period from their monuments? To understand why this annihilation occurred, we need to take a close look at the historical circumstances of that era.

Towards the end of the old Dynasty, Egypt was occupied for about 70 years by the Semitic nomadic tribes of the Hyksos. In that period, many nomadic tribes settled in Egypt; among them were the Mithanis, who originated from around the area where Syria is today. The Pharaoh Amenhotep III fell in love with Tiye, the daughter of a Mithani priest couple Yuja and Tuya, and took her as his consort and second wife. Yuja, Tuya and their daughter Tiye coming from a nomadic culture, had a simple way of perceiving the Forces of Nature based on the sun and the moon cycles. This perception is typical to desert environments that lack the diversity and richness of nature as found in the Nile valley; and so it was natural for them to take the ‘solar disc’ as their representation of the one and only God.

Yuja and Tuya brought this Mithani way of thinking to the court of Amenhotep III. The Pharaoh was influenced by their beliefs and went against the traditional rules of succession to make Tiye the great royal wife to guarantee that her children would be the legal successors to his throne. From their marriage was born Amenhotep IV, later known as Akhenaton.

Pharaoh Amenhotep IV, inspired by the faith of his mother, decided to enforce aspects of this nomadic religious belief, to form the type of Monotheism that we can relate to today. At the beginning, the Egyptians accepted and tolerated the ‘Mithanian’ belief system. Resentment however, started after the Pharaoh changed his name from Amenhotep IV to Akhenaton, which meant ‘he who pleases the god Aton’. He then instituted a comprehensive strategy to place Aton as the sole representation of god with the solar disc as his symbol, instead of Amon as the foremost of the old gods of Egypt. The priests of Amon who had considerable power, especially in Thebes, which was the religious and civil capital of Egypt at the time, were angered. Akhenaton built his new capital at a location known today as ‘Tell El-Amarna’, in the province of Minya, three hundred kilometers north of the then-existing capital at Thebes, which is modern Luxor today, and named it ‘Akhet-Aton’, which means The ‘Horizon of Aton’.

The power of the priests of Amon was swept from under their feet. A political struggle ensued. This was not a conflict between monotheism and polytheism, but a new form of monotheism in the presence of an old established pantheistic form of monotheism. So it was not really a struggle of belief, but more of a political shift of power.

One of the things Akhenaton did that created severe resentment, was to prohibit the use of amulets and proclaim the Aton sun disk as the only symbol for the abstract, omnipotent, omnipresent, unnamable Divinity. Amulets in the Ancient Egyptian religion were not just representations: *they were the tools of the science of subtle energy quality, esoteric geometry, and active symbolism, which achieved a resonant connection with the NTRs to bring the support of the divine forces of nature to the Egyptians’ everyday activities, as well as to provide protection from harmful, invisible forces of nature.* This prohibition of amulets was very disturbing to the priests and to the population in general, who relied on them in all aspects of their life, and was probably a major factor that eventually brought about the destruction of Akhenaton’s religion. The Egyptians could not accept the prohibition of amulets. To the Ancient Egyptians, banning the wearing of amulets or placing them on the mummies of the dead, was *like sending soldiers to war without their weapons.* Akhenaton further upset the Egyptians when he required the builders and artisans to stop drawing the typically stylized art, and start depicting more lifelike representations. This departure from the old laws governing sacred ritualistic art, in favor of a more natural concept,

infuriated the temple priests. It was a disregard for *the essence of their art, which through the right-brain perception translated the forces and powers of nature into geometrical shapes, connecting them to the archetypal plane behind the forces of nature, where the energy laws and patterns of everything exist.* They felt lost and disconnected from the sacredness of everything around them in nature.

After Akhenaton's death, the controversial figure of Smenkaure ruled for a few years. He is thought to be Akhenaton's younger brother, his son, or his son-in-law. Some Egyptologists even claim it might be the renowned beauty Nefertiti, his wife, ruling as a Pharaoh for three years. In any case, Smenkaure abandoned the Aton religion, brought back the supremacy of the 'Amon cult' and moved the seat of power back to Thebes. Three years later, at the age of nine, Akhenaton's son Tutankhaton became Pharaoh. Tutankhaton continued the reconciliation by restoring the old Amon faith. He changed his name which meant 'the image of Aton' to 'Tutankhamun' to show reverence to 'Amon'. Tutankhamun, however, died very young and that was the end of the 'Amarna period'.

What is remarkable is that, even though Akhenaton governed for about seventeen years, there are hardly any details left about how his life ended since most of the records of his reign were completely erased. The whole of Akhenaton's Amarna period, which was an early precursor of our modern way of belief, but a heresy to the Ancient Egyptians, was erased from Ancient Egyptian history. The Egyptians went back to their old religion because it was their science of harmony and way of life, in which every aspect of their environment had a sacred role. A seed had, however, been planted that would soon herald the birth of contemporary religions.

Because of similarities between Akhenaton's faith and the Jewish religion, some scholars believe that the Hebrew prophets' concept of a universal God, as preached seven or eight centuries later in a land that Akhenaton once ruled, was derived in part from his cult. Others go as far as to suggest that he might be the prophet Moses himself! Historically however, this does not hold. The Pharaoh of the exodus was Merenptah, who ruled after Ramses II, several generations after Akhenaton.

Many centuries later, and after the link to right-brain perception of the 'Ancient Man' was lost through the slow shift to 'Modern Man', the old beliefs lost their hold. We can, however, still find many aspects of the ancient beliefs in the form of religious traditions and rituals that have been passed in

different forms down through the centuries.

Where are the Ancient 'NTRs' Today?

The Ancient 'gods', as we now understand, are the animated powers of nature; so they are ever present. In different cultures and different eras, they take different names. *What the ancients called NTRs are in a way similar to what we call angels.* Let us take the Archangel Gabriel as an example. The root of the name is 'Gabar', which in Arabic and some other Semitic languages refer to an attribute of God meaning 'Power'. Therefore, we find that the Archangel Gabriel is a personified law of nature expressing power. *An angel is the expression of a law in the universe:* It has no free will beyond the limits of the Divine law of the nature it represents. It is only through right-brain perception that we are able to perceive and personalize this power.

The Angel of Death, for example, expresses the law of transition to the after-life. Sometime before dying a person starts to enter into resonance with the law of death. This law of death might be a formula of energy interaction with five or six variables or criteria. One criterion could be the state of the physical body, or the loss of the body's vital forces. Some of the other criteria deal with the time and place of birth, astrological aspects and other universal laws. So the formula is there, it is real. At one point, as the criteria are fulfilled, the person is in full resonance with the law of death. At that time, the law of death manifests in him, and the dying process begins on the energy level. His subconscious personifies and shapes this abstract energy form into the picture his memory data bank produces for the angel of death. During this process, which can sometimes take a few days, he might say: "the Angel of Death came to me." In Arabic we call the Angel of Death 'Azra-El'. This name probably refers to 'Auser' or 'Azer', the Ancient Egyptian name of Osiris who governed the underworld. So we see that our pantheon of angels is not so different from the Ancient Egyptian NTRs!

For the Ancient Egyptians, invoking the powers of the NTRs to bring harmony with the laws of nature was an innate thing to do. Through their sciences they interacted with the harmonizing energy quality of sacred places on earth and in the sky, as well as sacred times to bring the right balance to the powers of nature. *This was the way of the Ancient Egyptians; they lived with the blessing of Divine Wisdom and played an active role with the Laws*

of Nature.

The shifting process from right-brain perception to left-brain perception, was a progressive process. Consequently, left-brain perception gradually became stronger and right-brain perception became weaker. To better illustrate this, we can imagine a magnifying lens, to represent the functioning of the senses. With a weak lens, the difference between what is under the lens and what is outside it is very little, so we can get the whole picture in focus. As the magnification of the lens gets stronger, we start seeing what is under it in detail, and what's outside it becomes blurred; slowly we lose sight of the whole picture. Similarly, what is under the lens becomes the 'I' and it gets sharper, and more separate from its surroundings, which get hazier with every magnification. The 'I' created by the senses is the ego of the left-brain perception, which keeps getting stronger, while the surrounding, holistic perception of what is outside it, referred to as right-brain perception, gets weaker and we slowly lose identification with it. That is our 'I' in Modern Man, creating the illusion that we are separate from everything else.

Lost Connections

The great shift in perception was gradual. Towards the end of the Ancient Egyptian Civilization came the moment when the shift moved completely to left-brain consciousness, losing the connection with the archetypal world which was its backbone. With the emergence of the perception of Modern Man, the whole meaning and function of symbols changed. Today we see a symbol as representing a whole idea or concept that we relate to intellectually. When we see an ancient symbol, we cannot invoke the archetype with which it was in *resonance*.

As new civilizations arose, the focus shifted towards a left-brain evolution that gradually led to our modern world. We developed an advanced technology on a level never reached by any ancient civilization. However, with the lost harmony and communication with the forces of nature, we are threatening the life of our planet. By using left-brain perception to create a scientific interaction with the hidden possibilities of the right brain, we can bridge the gap between modern technology and the subtle energy powers of nature. *This would lead to humanizing modern technology.*

I want to share with you a story I often use in my lectures that can shed

light on where I believe our modern technology as it is now is taking us. An Egyptologist, scientist from the 21st century builds a time-machine and zaps himself to Ancient Egypt in the year 3000 BC. Of course he takes with him his computer, with a full pictorial documentation of the achievements of our modern era. At his destination, a large crowd of friendly, curious Egyptians greet him. He shows them the pictures depicting our modern way of life, and the leisure provided by our technological accomplishments. They marvel at what they see and take him to the royal temple. At the temple, he is brought to the presence of the Pharaoh and the temple Priests. Our scientist is very excited and starts telling them about our way of life and raves about the achievements of our era. He then takes out his 'iPod' and is very happy to see the surprised look on all their faces. The Pharaoh and Priests are very impressed, so our scientist proposes to teach them how to produce and use this new energy to totally transform their civilization. The High Priest then asks him to show them how these things work, and all about this new energy he is talking about. Proudly, our scientist produces two of his latest lithium batteries.

The Ancient Egyptian priests look at the batteries and take out their strange scepters and pendulum devices; they start taking some strange types of measurements. Then they look at each other and shake their heads. The High Priest tells the Pharaoh that this type of energy is harmful to man; it works on a level so strong that it disrupts the harmony of the subtle energy interactions in nature, which eliminates the possibility of the energy from the batteries directly interacting with man or nature without causing harm.

The Pharaoh tells the proud scientist from our era that his technology separates man from the natural harmony of the universe. He tells him that this civilization from the future is at the expense of man; while theirs has been built to reinforce the pillars of man's inner development that connect him to his 'original home' on a spiritual level. Without this connection, man's inner constitution would show irreparable cracks. The Pharaoh and the priests then introduce our friend to the holistic sciences of Ancient Egypt that interact directly with the powers of nature.

Our scientist is totally converted to their way of thinking, and wants to stay and become a disciple of the temple in order to be properly initiated into their sciences and wisdom. He discovers that their knowledge, science, spirituality and religious beliefs, unlike our present concepts, are one and the same. The Pharaoh tells him that instead of spending a lifetime studying in

the temple, he should stay just long enough to grasp the holistic approach to life, and to get his own experiences in interacting with the higher subtle levels of energy. He should find the answers to his own questions practically, and not go into the details of their culturally bound applications within their everyday activities, which do not stem from the unconscious make-up of his own era. It is important that the collective unconscious of his own society work in harmony with the laws of nature, to integrate and reinforce the individual awareness. This is the way the universal truth of natural law and order which they called 'Maat' would prevail.

The Priests explain that there are some aspects of Ancient Egyptian holistic knowledge which cannot be transported over the millennia to become part of a new modern holistic science. With our different psychological and mental make-up, some of those aspects which have emerged from the interaction with a different collective subconscious, might actually disrupt the integrity of a new holistic worldview. Those aspects can be studied metaphorically to gain insight into the universal hidden values behind their culture and perception-bound rituals. The exact performance of the rituals would not bring any benefit to a society with a different collective mindset, as the rituals acquire their power from the collective, as well as the universal, levels.

The Pharaoh and the priests explain to our scientist that his duty is to return to the future in the 21st century and use Ancient Egyptian wisdom to *create a new holistic science that employs new energies for interacting harmoniously with our present, unconscious make-up.* He is also told that there is a way of using the types of energy of his own future in a way that benefit the human energy system holistically. *Modern technology should not be discarded, but only transformed for the benefit of man.*

The Pharaoh gives him a farewell present. It isn't *gold* as he had hoped, but a pendulum in the form of an 'Ouadj' amulet representing a papyrus bundle (Fig. 84). It is about 7 cm in length, made of pottery, and covered with a green, glazed coating. "This," says the High Priest "is an important and very effective energy device, which the Nature goddesses hold as a scepter that not only represents a certain aspect of their power, but is also used practically for energy emanation (Fig. 85). The Pharaoh and the priests are amused as they notice the disappointment that our scientist tries to hide and tell him that "some day, when he is ready, he would understand the immense worth of this extremely valuable present."

Fig. 84 – The Ouadj used as a pendulum

Fig. 85 – Female NTR holding a Ouadj scepter

Here I might sound more like an Ancient Egyptian priest while I am, in fact, speaking through the paradigm of a 'Physics of Quality' whose scales of measurement are attributes of effects and relationships, and not the numeric quantitative scales we are used to in modern science. The achievements and capabilities of BioGeometry, as a modern science of shape and subtle energy quality, which is only thirty five years old, can only give us a glimpse of what the Ancient Egyptians could have achieved in five thousand of years or more.

Ancient Egyptian Components of the Soul

It is important to understand the Ancient Egyptian way of looking at the components of the soul. We generally perceive ourselves holistically as body, soul, and spirit. In the Ancient Egyptian system, the soul is seen as a hierarchy of several levels of being. These were regarded as ‘entities’ which together formed our whole being[38].

Akh or Akhu	Immortal spiritual being
Sahu	Immortal spiritual body
Sekhem	Immortal spiritual life force
Rn	Secret name/energy formula
Ab or Ib	Heart/inner essence
Ba	Immortal soul
Ka	Mortal soul
Khaibit	Vitality/shadow
Khat or Kha	The physical body

The Ancient Egyptians had rituals for practical energy interaction with each level. The ‘Ka’, which is the lower mortal soul on the vitality level, contains basic instincts and other primitive aspects of our psyche on the lower emotional and mental levels, which it acquires during our lifetime. The ‘Ka’ does not have our full mental or emotional make-up, so it has a very weak personality. After death, it takes three to four days for the vitality of the ‘Ka’ to dissipate. This is what is sometimes referred to as the ghosts of the dead haunting the cemeteries for a few days after their death.

The Ancient Egyptians mummified the physical body to use it as a connection to the ‘Ba’ (immortal soul), and as an abode for the ‘Ka’ that they wanted to keep alive to perform certain tasks in its new life in the grave. The ‘Ka’ is a pure form of elemental energy that has a weak personality, and could therefore be programmed to guard the tombs from robbers or bad spirits, by energetically attacking trespassers. Here there might be an explanation for some of the incidents that we label ‘The Curse of the Pharaohs’. In the lifetime of the deceased, the ‘Ka’ was always regenerating from his vital energy. Since a dead body cannot feed the ‘Ka’ with its vital energy any more, it was the family’s duty to provide fresh food, so that the

‘Ka’ can take the energy it requires directly from the offering. The ‘Ka’s’ actions came from the old habits during the lifetime of the person. It saw food, took the energy from it, and became rejuvenated. An apple for example, was still physically there afterwards, but there was no subtle energy left in it because the ‘Ka’ had absorbed it. That was the way the ‘Ka’ was kept alive. If the family stopped feeding the ‘Ka’, the ancestors’ mummies were left unprotected and a curse would fall on them. After several generations, there were so many dead ancestors, that the family was spending more money feeding the dead than taking care of the living. So a more sustainable solution had to be found.

The Ancient Egyptians knew that *the geometric archetype of anything in our physical world is the energy pattern upon which this physical form is built.* When they created an archetypal image of a fruit on the wall of the tomb, the ‘Ka’ could connect with it through resonance. The archetypes of all kinds of animals, birds, fish and vegetation reproduced their physical world in a subtle energy dimension, with which the ‘Ka’ could interact to sustain itself. Once the energy connection was achieved, the ‘Ka’ could continue eating and drinking to maintain its energy forever. From an energy point of view, the whole landscape was alive for it to dwell in.

These examples clearly demonstrate *the power of art and sculpture in the Ancient Egyptian tradition. Drawing a picture according to specific criteria could make what it represents ‘immortal’.*

Ancient Egyptian religious and funerary art was not meant for mere decoration, but first and foremost, as a functional tool for the harmonious transition and sustain ability in the afterlife. When the master draughts man came to execute the drawings in a tomb, he made modular grids upon which the craftsmen sketched the drawings according to very precise proportions and principles. *The dimensions of the grid itself had a subtle energetic quality effect on the figures drawn upon it.* They had to reproduce the symbols in an exact manner, according to the archetype kept as one of the secrets of the temple. It was important to keep the drawings unchanged to the smallest detail over thousands of years because they were not just drawings, but energy devices. The priests and artisans were connecting to the archetypal world, and summoning the related NTR when they drew a flower.

We can now, fully comprehend how the Amon priests and the people in general felt when Akhenaton decided to deviate from the sacred tradition in their art in favor of a more realistic representation. They knew that the

archetype would be gone, and the images would be rendered lifeless. There would be no spiritual harmony through the archetypal connection, and the land of Egypt and its people would be cursed.

The Hidden Dimensions of the Human Archetype

The use of the human archetype in art and sculpture played a very important role in Ancient Egypt. The archetypal human figure in the drawings and reliefs on the tombs empowered and kept the energy system of the lifeless mummy intact, as well as that of the Ka. This might explain what Paul Brunton wrote in his book, 'A Search in Secret Egypt,' about mummies he had seen that displayed a nearly lifelike condition, but started to deteriorate when the bandages and amulets were removed. The same thing was witnessed by my friend the late Dr. Fawzi Soliman, then Director of the Museum of Ancient Medicine in archeological diggings at Giza.

The stylized archetypal statue of the Pharaoh was enclosed in the tomb in a small chamber referred to today as the 'serdab' (Fig. 86). The serdab was a completely enclosed space with only a very small hole to connect it with burial chamber. In this way the statue was inaccessible to any person who could contaminate its energy quality. This statue became the abode of the Ka in which it could reside.

Fig. 86 – The stylized archetypal statue of the Pharaoh

The archetypal dimension contains the subtle energy-forming laws, which manifest as the natural forming process of shape in the physical dimension. An archetype *is like a perfect geometrical template representing the forming patterns behind physical shapes.* The archetypal template, when manifesting in the forming process in the physical dimensions, is modified through environmental, genetic, social, psychological and other factors of the physical world. It produces the different shapes in nature, which are usually slightly imperfect due to the modifications of the original template.

Our extensive research in this area, in which resonance with the gometric archetype was used to empower the physical subtle energy system and induce harmony with the environment, has given us the key to formulate our theories about the Ancient Egyptian use of archetypes in sculpture and wall reliefs (Fig. 87).

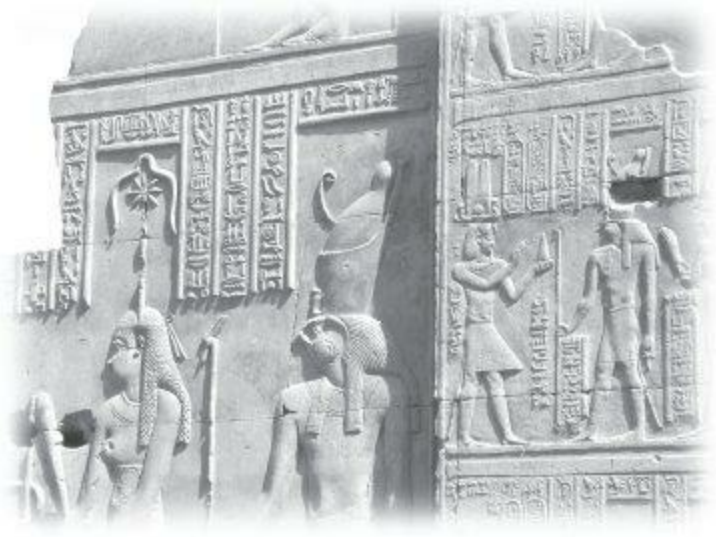


Fig. 87 – Wall reliefs

A breakthrough in my research came when I was able to decipher the ‘Human Geometric Archetypal Code’. This code empowers and harmonizes the human subtle energy system on all levels. We now use it in several configurations to evaluate the subtle energy quality of the whole human subtle energy system on the different levels. Our measurement tool, the ‘Archetypal code ruler’ has become the qualitative scale by which we assess the effect of any object on the human subtle energy system. In this context we now use *‘man’ as the measure of all things.*

In the illustration, we can see the archetypal 2-D code of the human body (Fig. 88). It represents the code for the complete multi-level pattern (physical,

vitality, emotional, mental and spiritual). The different human forms vary from the archetype as they interact with their environment, but only show disturbance when they go beyond the variations allowed within the code. When making a statue of a pharaoh, they had to find the right balance between the likeness and the ideal archetypal proportions, in order to link the harmonizing effect to the pharaoh without losing the *resonance* with the archetype.

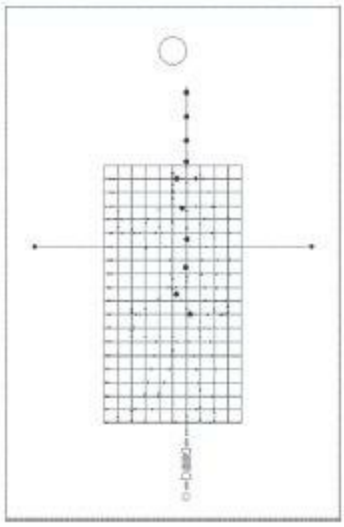


Fig. 88 – BioGeometry two-Dimensional Archetypal Grid pendant

In this context, the huge statues of Ancient Egypt must be seen as having a new function: that of providing harmony to the surrounding environment. Giving such functions to the statues, while keeping the secrecy of the knowledge in the temples, has given rise to a great deal of misunderstanding by the civilizations that followed, once the knowledge was lost. This misunderstanding opened the way to idolatry. This unfortunate turn of events must not lead us to the erroneous belief that the Ancient Egyptians were idolaters and had many gods. This is definitely not the case. It should also not detract us from finding the secret knowledge of working with the invisible dimensions of our being, which is crucial to bringing the natural, universal harmony to take our civilization to another level.

With a solid understanding and belief in the monotheism of Islam, Christianity and Judaism, the discovery that all ancient beliefs had their essence in monotheism, that manifested in one way or another before they were misunderstood, gives us a huge trust in the guidance of God for all humanity, at all times, to see the Divine light as the driving force behind all

belief.

Discovering the power of geometric archetypes (especially the human as one of the most complete and advanced archetypes in nature) and working with them has made the students and practitioners of BioGeometry understand and see new depths in their respective religions.

The 'NTRs' are Lost

The shift that gradually took place from Primitive Man's holistic perception to Ancient Man's more left-brain analytical perception, led to the emergence of scientific thinking and analysis. Ancient Man, however, still kept the link to right-brain perception, keeping the animated powers of nature as an integral part of the scientific paradigm of the period. The next shift, however, from Ancient Man to Modern Man, closed the door to those powers of nature, and relegated them to the realm of myths, traditions, fables and fiction.

We lost our knowledge and recognition of those Nature Powers when we lost the focus on our right-brain perception. The NTRs are omnipresent, but we lost the ability to perceive them. In the left-brain perception, symbols don't work anymore the way they did in ancient times. It is an analytical area where we break down and add up things. We break up meanings into letters; an alphabet, for example, symbolizes phonetically just one letter. We can re-arrange those alphabetical symbols and make up different words. This is the left-brain world of the Modern Man.

To appreciate an archetype, we must have a feeling for the pattern in its entirety[40]. The overview of the whole shows us the qualities of the entire system. Focusing on details will not give us a feel of the totality of the scheme. In the shift from right-brain perception to left-brain perception, the holistic meaning of the symbol is lost. When we see a symbol of an apple, we probably start thinking of fruit, color, nature, instead of ourselves becoming part of the essence of the apple in a process of exchange of information and energy quality. Our reaction to the symbol is purely intellectual. The symbol no longer works as it did for the ancients because the symbol belongs to right-brain perception. We have moved the location of the 'I/ego' to left-brain perception, so when the animated symbol tries to reach us through our right-brain perception, we are not there anymore. When the shift began, the written languages with their different alphabets were invented as literal expressions

of the spoken word. Hieroglyphics became a sacred language used mainly by the priests in the temples.

Pythagoras, Plato, and many of the other classical Greek philosophers, were introduced to the sciences of the ancient civilizations of Egypt and other cultures of the Middle East. They kept the practical right-brain, inner teachings of those ancient temple sciences to their inner circles, while adapting them to the new, emerging shift of focus to a left-brain type, scientific way of thinking. They spoke of archetypes, not the esoteric ancient way, but more from an intellectual approach representing the world of ideas and symbols. The Greeks were the promoters of the intellectual, philosophical way of looking at things. All ancient sciences were remodeled by them into an emerging left-brain system, which became the root of modern western thought. When we learned how to think 'logically', we put up barriers between our conscious and unconscious realms. Today, we try to reach beyond the veil that we created, through a doorway that may be slightly opened and accessed through spiritual exercise that transcends the mind *or arts that are of timeless nature manifesting the universal laws of creation.*

Most of those Greek scholars came to Egypt to study in Alexandria. Pythagoras, for instance, spent 22 years in Egypt.[39] When one was accepted into the teachings of the temple, there was a vow of secrecy taken since the esoteric part of the knowledge was for the scholars, while the practical applications were given for common use. One of the most secret and sacred sciences was Ancient Harmonics. *This is the harmonic interaction of everything in the universe through resonance. It teaches the laws of Harmonics as the way of creation, and manifests them in Music, Mathematics, and other sciences.* These were all a way of expressing the laws of creation to our sensory world.

When Pythagoras said *'everything is number'* he was speaking about the interaction of subtle energy qualities in the universe expressed in their quantitative aspect. The Ancient Egyptian sciences' (such as Harmonics and Radiesthesia) were guarded and preserved as secret temple sciences, and as time went by, they were completely forgotten. Harmonics was partly kept alive by what came down to us from the Pythagorean tradition, and later on by Kepler, Von Thymus and Chaldni. In the 1950s it found a new revival in the works of the Swiss, Hans Kayser.

In Roman times, Radiesthesia was practiced in a simplified form by the 'Augurs' for Earth Energy Grid Line surveys for city planning. The Jesuits

later on preserved this science, which they used in herbal medicine and water detection. The fact that the popular dowsing techniques (which are basically psychic in nature, and are a form of divinatory art) also used pendulums and divining rods, completely eclipsed the science of Radiesthesia and its harmonic origin. In the medieval period in Europe, anyone using pendulums, dowsing rods or other forms of dowsing tools, was labeled as a 'magician', and risked being persecuted or even burned at the stake. Radiesthesia was therefore kept secret in Jesuit monasteries as a valuable tool in their missionary work. Many years later, when it was safe, the science of Radiesthesia began to surface again. In the Middle Ages the scientific knowledge and intellectual freedom of the classical Greek and Roman Civilizations came to a halt, as Europe entered the Dark Ages. At that time, the culture of the Islamic Empire, which was at its peak, helped bring Europe out of the 'Dark Ages' and into the Renaissance Era. This revival brought with it, among other sciences, the sophisticated methods of earth energy detection to support the energy forming process in architecture. These methods, which have been used by the Ancient Egyptians, Greeks, and Romans in the planning of their temples and cities, were being implemented in Islamic architecture of the Empire of Islam that stretched along the coast of North Africa all the way to Spain. The detection of subtle energy power spots and earth energy Grid Lines was practiced by specialists, often depicted in Arab garb (Fig. 20).

Beginning of Modern Man

To the Western world, Pythagoras and the Greek scientists and philosophers of that era, best represent the shift from the right-brain perception of Ancient Man, to the left-brain perception of Modern Man. He was there at the time of transition that marked the end of the Ancient Egyptian civilization and the rise of the Greek civilization. The Greek civilization marks the beginning of Modern Man, when the intellectual shift to 'I/ego' was completed. Ancient Egyptian Civilization lost its foundation. All the sciences of Ancient Egypt, and all the greatness of *living and working on an archetypal level, as well as living in perfect harmony with the laws of nature, were lost.* Philosophy, which was seen by Pythagoras as the 'Love of Wisdom' in a religious sense, was degraded to an intellectual practice. The philosophers started

worshipping the logical, analytical mind, putting philosophy and the intellect on a pedestal. Everything that did not fit within the framework of the mind was put aside as myth, even religion was put aside as a system of belief, and its links with the powers of nature were relegated to mythology. *The split between science and religion was born.*

To give you an example that highlights how things are perceived differently from left-brain perception versus right-brain perception: Egypt was called KMT (pronounced Khemet) which means the 'Black Land'. The River Nile flooded the land and left black silt every year, which made the soil fertile and the vegetation rich. The people who came from other countries found this lush, green vegetation unusual and unique. The prosperity of Egypt came from this 'Black Gold'. The Egyptian civilization at that time had risen to the peak of excellence. It had the highest form of knowledge anywhere in the world, known as the 'science of the Black Land'. When the shift to Modern Man took place, and qualitative sciences were misunderstood and classified as magic, what had been the powerful science of the Egyptians then became seen as a very potent form of magic. The ultimate form of that ancient magic was the magic from the 'Black Land'. The fear of the unknown made the people use the term 'black' to mean 'evil' as opposed to 'white' in total contrast to the original concept of 'Black Gold' which connoted the fertile soil.

Contemporary religions as we know them emerged then, with a modern concept of monotheism in which the powers of nature as inadequately pictured by Egyptologists, were erroneously characterized as multiple 'gods'. The ancient knowledge and rituals were labeled 'heretical' and anyone practicing them or using their symbols was persecuted. The great heritage of the ancient world perished with the burning of the Library of Alexandria by religious fanatics, who were determined to put an end to the ancient 'pagan' world.

Powers of Nature Now

From the dawn of humanity the invisible realms played a major role that influenced many aspects of man's interaction with his surroundings. This relationship with the invisible is at the core of most belief systems. Beliefs in the existence of Heaven and Hell, as well as angels and demons, has always

had a tremendous impact on our actions and the way we view our physical reality.

The names may change depending on the process of personification involved, which is largely affected by culture. We can say angels or spirits instead of nature powers or Ancient Egyptian ‘gods’. However, it all amounts to the same thing expressed differently, according to the era and culture. When we tackle these themes from a contemporary, religious perspective, we speak about them as things that are separate from us. When a Sufi speaks of the divine attributes of God in Islam, we are not aware that these Divine Attributes are also within us. We perceive them as attributes of God and know the inconceivable Divinity through them. *There is a harmonic, resonant relationship between all the different ranges and dimensions of the universe; meaning that the energy functions of the Divine Attributes outside of us have their counterparts on another scale inside of us*.

Let us examine the Divine Attributes as laws of nature or universal energy functions. Different motions of a primordial energy produce different patterns, and every pattern in turn, produces a different function. As all energy patterns are part of energy living systems, we can safely label them or personify them on the basis of their life functions or attributes. Those living energy patterns have within them the power to exercise their functions, and can be perceived as animated nature powers. These are the NTRs or what we call the ‘gods’ of the Ancient Egyptians. These NTRs have their resonant counterparts within us. So we can say that the holy attributes, labeled as Ancient Egyptian ‘gods’ or nature powers, are alive inside us. They are at work outside, as well as within all living species. We can also say that angelic entities are interacting or supervising the functions of our body, or that the Divine Attributes are functioning within us.

This means that, as the energy functions within us have their counterparts outside of us in a more abstract form, the biological functions of our organs work in a harmonic relationship on a much wider universal scale. We can say that every biological function is affected by what goes on at the furthest part of the universe. It is all one symphony. We cannot invent new powers for the body, totally separate from the powers of nature outside. Those functions must be the same NTRs interacting inside and outside of us. The interactions of nature powers in our subtle energy system support the functions of our biological system. *If we look at each organ’s energy function with the understanding that a particular power of nature is working within it, we can*

say that some Universal Law of nature is at work (call it what you like: energy quality, Divine Name, attribute, NTR, angel, or just energy pattern). In this way, we can detect the correspondences between the organ's energy function, and any of the above systems. Let's say you have a problem with a particular organ, if you become aware through right-brain perception that these powers are working inside of you, you can connect to them through a specific prayer, through rhythm, number, sound, color; or maybe use the sustainable physical manifestation of the language of nature in the form of BioGeometry shapes, that can bring balance to your system and hopefully support the medical treatment. Subtle energy balance is a vital factor in the success of any kind of orthodox or complementary medical treatment.

The name of an angel encompasses an attribute (e.g. Archangel Gabriel: Gabr = power, El = God), which expresses the function of a divine law manifesting as an intelligent power of nature. It could be in resonance with a name, a number, a frequency, or a symbol among many other things. They are all the same Divine powers, but with different manifestations. We have, for example, the Divine Names of the attributes of God. In the Jewish tradition, there are 72 names. In various Christian traditions there are some that have 72 names and others that have 81. In Islam, we find 99 names. According to ancient systems of numerology, all of these numbers when reduced to one digit add-up to '9'. In the physical manifestation, '9' is the number leading to the transformation from one decade to the other, the ultimate attainment in human development. Yet the numbers are incomplete: none of them are '10'. In many traditions, it is said that completion is the ultimate name of God. The '10' is the One and the Zero taking completion to another dimension beyond time and space. From here, in this physical dualistic dimension, we will never reach it. In reality, the Divine Names are innumerable. Choosing a certain quantity is a means of expressing their attributes in a symbolic numerical context, often used in ancient scriptures.

Fig. 89 – Sekhmet

We can find the names that resonate with us in the Divine attributes, or the names of NTRs in Egypt. If you speak English, Dutch or other languages, you will be looking at translations of the ancient sources for this information. You would do well to go to the Aramaic or the old Hebrew or something closer to the original source. In the Ancient Egyptian Language, for example, the name of the NTR Sekmet (Fig. 89) evokes its nature power and activates the throat chakra. This energy center is the seat of the word of power, called 'Hekau' in Ancient Egypt.

In Islam, we have the original Arabic pronunciation of the Divine Names in the 'Holy Koran'. As those names represent universal attributes of the Divine, so every energy function must somehow be linked to those attributes. This applies to everything in the universe, including the biological energy functions of all living systems. In our research, we found a high correlation between specific Divine Names and individual body organs. Rhythmic repetition of the Divine Names resonated with the Divine Attributes in the universe and seemed to balance the organs' subtle energy functions. It is a way of inducing harmony between the inner environment and the universal laws of nature.

What Can Ancient Egypt Teach Us?

If we are looking at what Ancient Egypt can teach us, we must look at 'Ancient Man' and not 'Primitive Man' based on Jung's categorization (Fig. 73).

Primitive Man was simply one with nature, like the animals, birds and plants. When we hear the song of a bird, we assume it's a form of communication; but this is probably not always the case, at least not in our modern sense of 'communication'. The bird is not focused on the detailed meaning of its 'tones' in a similar manner to our left-brain type perception. It is in tune in a holistic, spontaneous way with the laws of nature. The sounds it makes play a role in the overall balance of the subtle energy quality of nature. Maybe the sounds are needed by a certain tree or play a role in the activation of a specific 'nature powers'. When a species is in tune with nature, it does not need to learn a language as humans do; it uses primordial types of communication that are imprinted within its system.

Through the shift from Primitive Man to Ancient Man, humans were able to use the primordial language intellectually, while retaining its original essence as the connection with the laws of nature was still open. Ancient Egyptians had the knowledge to produce magic through 'Hekau', the 'words of power'. They used special words that had the capability to activate natural powers to produce the desired effects. Today, a word has no power to produce anything beyond conveying a meaning, basically aimed at those persons who understand that particular language. No matter how eloquent the words are, we are not able to affect the powers of nature or interact with the surrounding subtle energy qualities in a direct way. If only we could again become one with the powers of nature, and have this holistic perception! The Ancients possessed this primordial knowledge that accessed the powers to become one with the universe. *Every hieroglyph,*[40] *number, and sound existed in resonance with a specific concept or power. The word was put together not just to convey a meaning, but mainly to produce an effect on the powers of nature.*

When the biblical prophet Moses led the twelve tribes into Sinai, they camped at a place known today as 'Oyoun Moussa' (Moses springs). There, he used his staff to dowse for water to dig a well for each tribe. In the 1980's when I was working as a planning consultant to the Governor of Suez, General Tahseen Shanan, we undertook the project of locating the twelve wells of Moses and excavated them from under the sand dunes that had completely covered them. We planned to develop the spot into an open-air

museum with huge stone tablets on which words from the religious scriptures of the three major religions relating the event would be engraved. This was an effort to shed more light on the archeological findings and emphasize the unity of the three religions. Unfortunately, this project was never realized and the wells were lost again under the sand. In the picture (Fig. 90) we are standing next to the only one of the Moses wells that, although covered with sand, was still visible. Ironically, the sign that now marks the well dates it back to the Roman period, even though the name of the whole of that area suggests its true origin.

Fig. 90 – Dowsing at the Moses Wells

Prophets and saints, through connection with the higher transcendental dimensions, had right-brain perception in full function. They became spokesmen for the higher powers and invisible dimensions of nature. They had connected with a certain attribute of Divinity through which they performed their miracles. *Whether it was the prophets and seers or the Ancient Egyptian priests, the belief in the one almighty powerful God was always there at the core of the powers that produced the miracles.*

There are indices of the existence of a very ancient, predynastic monotheism in Egypt from which the pantheon of the NTRs or secondary 'gods' emerged, manifesting the attributes of the one God. In her book, 'New Light on Ancient Knowledge, Egyptian Mysteries',[41] Lucy Lamy sheds light on this belief within the teachings of the four centers of instruction (Heliopolis, Memphis, Thebes, and Hermopolis) in Ancient Egypt. The same passages about the 'One Uncreated Creator', 'Almighty God' in the Ancient Egyptian scriptures (such as the book of 'Emerging forth into the light' known as the 'Book of the Dead', because it was found in all the tombs), are

found in the later Judeo-Christian and Islamic Holy Scriptures.
W*hat might seem to be miracles to us today were, to the ancients, applications of their sacred Ancient Sciences.* In the same way, a modern mobile phone or a television would seem like a miracle to them, and to anyone who is not familiar with our type of power or energy (electricity). *The difference is the type of power used.* The Powers of Nature that we use today in the form of electricity, magnetism or gravity, work mainly on a physical level. The Ancient Egyptians, however, worked with the powers of nature in their holistic form affecting physical, vital, emotional, mental and spiritual levels.

The Great Shift

Man and Woman are Different

When the great shift in perception took place, it did not have the same impact on women, as it did in men. When a modern woman speaks, the 'Right' and 'Left' part of the brain are both active. When a modern man speaks, we find that most of the activity is in the Left-brain hemisphere (Fig. 91).

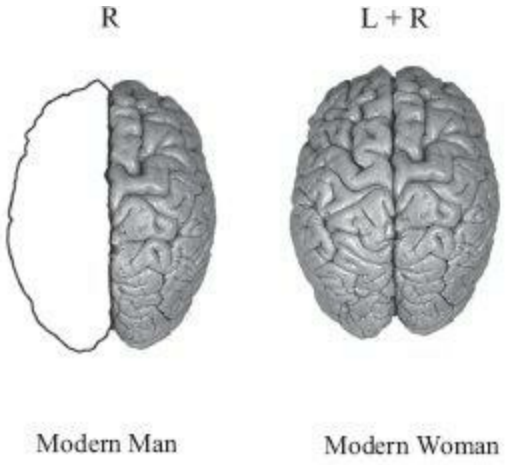


Fig. 91 – Perceptual focus in brain hemispheres during speech

In the Islamic tradition, there is a saying: "Heaven is at the feet of mothers." Taken at face value, it could refer to pregnancy, childbirth, nurturing and motherhood in general. On a deeper level, however, it also refers to the sacred aspect arising from the fact that a woman's perception is more sensitive to both quality and quantity, simultaneously. *A woman's way of thinking produces proper balance between quality and quantity between emotion and intellect.* There is innate divine balance in the woman; she is receiving extrasensory information in a right-brain fashion, while at the same time using the sensory perception of the left brain.

In reality we are talking about two different 'species' here: Man and Woman. What kept the right-brain perception continuously active in women? Why didn't women's perception have the same degree of 'evolution' as men? What allowed women to hold on to this part of the ancient way of perception? The development of modern technology, with its increased specialization, is directly related to a more effective left-brain perception which nurtured a strong evolving ego.

In women, the laws of nature have access through right-brain perception.

Men however, have to go through some form of ritual to reach higher mystical levels. If we look at the lives of many female saints in history, we find that they didn't have to go through the rigorous ordeals that men did to achieve their divine connection. In women, nature keeps the right part of the brain activated because of the very nature of women's function in the propagation of life. The role of pregnancy, birth, feeding and caring for the child cannot be entrusted to the intellect alone. So nature had to take one of the two 'species', and keep it as an open channel for its laws of preservation of life to take effect.

Sufi mystics try to connect to the power of nature through the rhythmic repetition of Divine Attributes, to dissolve in its essence. The woman is already a sacred being, because life is sacred, and it is through her that it is delivered. *During pregnancy, the mother's womb has the same harmonious energy quality as found in sacred power spots. It is a spiritual abode*. Every person, at any age, feels the security of this harmonizing connection with the mother throughout their life and feels lost at her departure.

If a father is awakened by his infant crying, he will probably look at the baby and try to figure out why it is crying. He will look at the expression on the baby's face and think what could the problem be? Maybe the baby is hungry or needs to be changed, maybe he is sick? If this was a real emergency, there might have been serious consequences while the father was going through this male process of gathering information. Nature cannot let life depend on such an insecure, intellectual perception of information. Same baby, same situation: the mother's instinctive *resonance* with the laws of nature instantly processes what is happening. At the same time that the discomfort starts with the infant, it is resonant within the mother. She still speaks the old language of sacred harmonics. She might even open her eyes before the child starts to cry. She is the goddess who is responsible for the preservation of life on earth. There is a divine hand helping the woman. She is in unity with her child, and the laws of life in nature.

Some of the Sufi mystics speak of the 'Divine Worshipper' or 'Divine Servant'. What is a 'Divine Human Being' doing living in a physical body on earth? A person becomes a divine being when he connects to the laws of nature, which are attributes of Divinity. This is the old Egyptian tradition of resonance, becoming one with the NTR, which many today refer to erroneously as becoming a 'demi-god' or even a 'god', through ignorance that the words used to name the powers of nature or the initiated human

beings were not the same as those used for the One Creator. Many people today, especially in the West, use the word ‘God’ loosely in everyday language. This false interpretation of ancient esoteric concepts has completely closed the door to a proper understanding of ancient beliefs, and caused a rift between modern monotheistic religions and the ancient ways. The fact that all religions are different ways of clothing one and the same reality, depending on the different cultures, seems to escape most people today. Unfortunately those different ways of expressing the one invisible reality have been politically misused to create strife and fuel controversies.

In our research in BioGeometry we have found that any thoughts that are not based on truth actually produce and project harmful radiation from our bodies that affect others around us as much as electrosmog does. This radiation can be detected as a harmful vertical/electric Negative Green subtle energy quality. Lies, in all their different forms of deceit and corruption, whether they be religious or political in form, or in commercial advertisements, harm us and those around us. Collective lies can lower the immunity of a whole nation. *We must become aware that there is a kind of mental pollution that is just as harmful as the physical ones.* The fact that none of its proponents will even consider the fact that they have lost the truth at the core of their belief system makes this form of pollution very difficult to deal with.

Let us go back and try to understand the concept of a ‘Divine human being’ that we find expressed in one form or another in all ancient cultures and religious traditions. If the activity of left-brain perception is increased, our personality our ‘I/ego’ is strengthened, and right-brain perception becomes less and less important. However, if the activity of the right-brain perception is the one which increases, then the overall relationships, laws of nature in the form of Divine powers dominate. It is like a company where a shareholder who owns 90% of the shares is in charge. Then we are only a voice for the master of resonance and balance in right-brain consciousness. A Divine Attribute has taken over. The woman who is in a permanent state of connectivity experiences an amplified state in which the laws of nature take the wheel to steer her out of danger in life’s situations, especially with her children. That is why we can refer to a woman as a ‘sacred being’. Women will only achieve their special status in society when men balance the modern materialistic left-brain worldview with a refined right-brain, qualitative sense for the sacred. In an ideal society, each would have an equal status, while

their differences would be celebrated and valued complementarities of both traits.

The Emergence of Contemporary Man

Today, some of us are starting to become what Jung categorized as Contemporary Man. We are beginning to look inside, and discover that our feelings involve an energy process. In other words, they have an effect on the subtle energy quality and can do us good or harm. In modern psychology, we have become aware of the relationship between the conscious and the subconscious levels of awareness. Jung went into deeper esoteric levels and also broadened the horizons of the subconscious, and showed its presence on a collective scale.

Primitive Man was focused mainly on right-brain perception, which governed his actions on the individual level, as part of the collective herd instinct. That is why the laws of nature worked through him. The level that Jung calls 'Ancient Man' is the beginning of the shift of focus towards the left-brain type of perception. Yet, at this stage, where the total shift is still incomplete, mankind was still consciously connected to his original right-brain perception. At the level of 'Modern Man', not only did we lose the awareness of this original link, we even lost awareness of its existence. Modern psychology has unveiled only a very limited aspect of that vast realm. Even Jung's broader view of its powerful collective force only scratches the surface of the huge invisible power that the Ancient Egyptians harnessed through harmonic integration in practical, everyday activities.

While we approach the unconscious with fear and precaution, and relegate many of its multiple dimensions to the Supernatural, which we consider unreal, the Ancient Egyptians had control over the individual, as well as the collective energy of the unconscious, to use it actively in connection with the powers of nature to bring harmony and prosperity to the land of Egypt. What we call the 'supernatural' was for them very natural, and so real that they used it in their everyday lives.

Can We Save Our Planet?

The modern age of Information has a time bomb hidden within it that could bring about the downfall of our civilization and cause global life extinction. The atmosphere of the Earth is continuously being polluted by an ever-increasing amount of electromagnetic waves. Not only is our immune system in danger, but also the immune system of our living Earth and all forms of life within it.

W*e are living inside the Earth and not on it. The Earth's atmosphere is part of its vital body*, and in that context, we live deep below the surface of the Earth. The collective levels of emotion, intellect, consciousness and unconsciousness, are actually part of the individual life of the 'Earth Being'. *The Earth is a living being that is being poisoned by electromagnetic waves.*

There is also a fact that has not been addressed by modern environmental science: *the warming effect of microwaves in the atmosphere contributes to global warming.* At the moment, we are only aware of this warming effect of electromagnetic radiation in microwave ovens or in the effect of cell phones on our head. The warming effect on the atmosphere is probably still insignificant, but with the dramatic increase in the carrier waves of the developing Age of Information, we should anticipate this potential threat before it is too late. Only when we master the use of electrical energy in a form that reduces its harmful side effects will it be possible to consider it as a healthy substitute for fossil fuels.

If we sit next to a big, strong, muscular man, we take care not to upset him! We see he has the potential of seriously harming us if provoked. Then why don't we respect this huge being: Earth? We need to understand that when the Earth hits back, the consequences are often catastrophic. For the sake of preservation of our very existence, we must do something; but it cannot come from the left-brain mode alone. The wisdom of both hemispheres working together is needed. We have to go back to the right-brain to access a higher universal wisdom and ask ourselves where we went wrong.

We went wrong when we forgot about this spiritual balancing energy that is at the core of the natural forming process of nature. Life has this balancing energy, this divine balancing wisdom; nature uses it. When we pray at a church or a mosque built on a sacred power spot, we access the Divine Wisdom through its multidimensional portal. On power spots, we interact with this balancing energy, and use it for healing. But what is the use of connecting with it for healing on a personal level, when the whole Earth is

getting sicker? We have to choose and implement practices that are healing on a global level. We have to bring back this balancing energy, this omnipresent wisdom, and apply it on a global scale.

We, human beings, act as if we have two totally different personalities. We pray to access a higher, spiritual, invisible dimension to bring harmony into our lives, while at the same time, we create a modern technology that disrupts the subtle energy balance of our planet. If we say to a scientist or a designer, “We want you to use the design language of nature. We want a certain balancing subtle energy quality to be part of your machine,” he will definitely think that we are crazy.

If someone was born in England and did not speak a word of English, his status and role in society would be seriously challenged. We are born and are living in the Earth, yet we do not communicate with the Earth. We do not know the Language of Nature: It is of vital importance that we assimilate our activities into the creative world of life, using its own ‘natural language’ and allowing our human existence to evolve in accordance with the symphony of mother nature.

There is a divine pen moving, drawing and writing all of what we perceive as the beautiful forms of nature. This movement expresses the system of laws and the powers of nature behind that which we enjoy as our world; the diversity we find in nature is not there just for our aesthetic pleasure! While the divine pen writes and draws, we simply cannot read this writing or understand the meaning behind all of this beauty. How then, can we learn that language? This Divine language of the forces of nature is expressed in the forms of the animals, birds, trees, leaves, flowers, snowflakes, rivers and mountains. We need to learn the language of shape to read the words of this higher form of wisdom. We must try to perceive the workings of the balancing energies in nature. *Shapes are frozen energy qualities. Communication here is through an exchange of qualities and the knowledge of interaction combinations between those qualities*. Unless we start communicating through Earth’s language, we will not solve the problems we are creating. The Earth is not only sick from our visible detrimental actions on the environment, it is also sick on an invisible, subtle energy level, disturbed by the carrier waves of our age of information.

We know that in ancient times, a city or a temple was planned with the balancing energy quality as the backbone for the grid pattern of the design. They were dealing only with natural energy phenomena. Today, we are

increasing wireless communication, which is filling the air with an invisible threat, because these electromagnetic emanations are not harmonized by any form of balancing energy quality. There will come a day when a critical threshold is reached, and when the most advanced medicine will not help. If the level of carrier waves in the atmosphere keeps increasing beyond the tolerance level of our immune system, we will one day simply cease to exist!

Spreading the Balancing Energy on Carrier Waves

We have a huge number of electromagnetic carrier waves in the atmosphere of the Earth; isn't it time to put some form of qualitative energy balancing on these carrier waves? Sacred power spots emanate such positive, beneficial, balancing energy qualities. A crossing of underground streams at certain angles produces a clockwise circular energy vortex that gives the area its healing properties, and makes it a sacred power spot; while streams crossing at other angles produce a harmful energy vortex, making the power spot an extremely dangerous place to live on. *Through the science of BioGeometry, we are able to find the geometric criteria that produce this energy quality (design language of nature) and to create shapes, numbers, proportions, colors and sounds that reproduce it. Once we do that, we can find similar geometric methods to amplify it, store it, transmit it in a focused, laser-like manner or radiate it from a central point to cover wide areas.* We can also charge the energy fields of other objects with this quality. For example, we could charge water for consumption and irrigation to enhance biological immune systems, charge our food to increase its vitality, or medicine to reduce harmful side-effects.

The electromagnetic waves used by television, radio, mobile communication and other types of wireless technology are carrier waves, which means that they carry information or media content over long distances with wide coverage. Why couldn't they then also carry health supportive information into the subtle energy systems of life? They could carry the balancing energy quality of BioGeometry. Imagine all the waves in the atmosphere of the Earth carrying this energy. The energy balancing qualities would spread everywhere. We wouldn't have to apply BioGeometry solutions individually in our homes, offices, or gardens, because the atmosphere, which is already full of carrier waves, would provide the healthy

environmental harmony everywhere. This could then be the way that would transform the tools of the Age of Information and bring about a true 'Golden Age'. The first impulse towards this golden age of environmental harmony came out of Switzerland. We are speaking here from actual experience based on the successful results achieved in our Swiss Environment projects of Hemberg, St Gallen, and Hirschberg, Appenzell. To quote the Mayor of Hemberg in a Press Conference (August 2003): "You have brought peace to our region, and brought back our church into our hearts." In many traditions, there is a belief in a prophesized Golden Age dawning in the 21st century. This age is linked to a special stellar configuration that will change the subtle energy quality of the atmosphere, which in turn is believed will raise humanity to a higher level of consciousness. However, whatever occurs in the universe must first manifest in our subtle energy system for us to benefit from it. For this to come about, we should work hard to produce enough Golden Energy Quality in our environment to create a Harmonic Resonance that will bring about this positive change in our lives. The Golden Age will not come and knock on our door while we are busy destroying the energy quality of our planet.

The Intellect and Perfect Balance

The advanced state of mind or intellect that we have achieved, and on which we have built our very advanced civilization, does not guarantee that we will be able to change the destructive course we have taken towards nature. We need to be aware of all the factors that are beyond our perception, but are vital to achieving harmony with the universal laws of nature.

We try to bring proper balance into all situations through the faculties of our mind. Our mind needs to collect information about a situation in order to evaluate it, and take the necessary measures to balance it. Our mind can only perceive things within the restricted limits of its sensory capacities, which are only very small ranges within the total vibratory reality. Not only are we limited by what we are able to perceive, but we are also limited by how we give meaning to what we perceive. We can, in addition, often miss sensory information that is new to our data-bank, and consequently we have no corresponding data. This means that our perceived information does not give us a complete picture of the situation. Without complete information about a

situation, we cannot balance it properly. Furthermore, gathering and analyzing information takes time. By the time we perceive the totality of available information, the situation is often long gone. The mind is, therefore, incapable of achieving the perfect balance in many situations.

Sufism is a mystical aspect of Islam, and one of the Sufis' teaching methods is the use of jokes that have a certain wisdom involving paradoxes that unveil universal truths. The jokes are intended to show the limits of the mind, and the need to transcend it through a form of higher intuition that they call 'the knowledge of the heart'. The jokes are endless, and exemplify a way of wisdom teaching that is typical of the Orient.

There are many jokes about a whimsical character, one of folklore's beloved heroes in the Orient. He is known as 'Goha' in Egypt, or 'Nasruddin' in Iran. One of these jokes goes as follows: Every day, Goha and his donkey pass a customs post between two towns. The donkey carries two baskets full of straw, one on either side on its back. The customs officer always tells Goha: "Goha, I'm sure that you are smuggling something, I can see it on your face." The officer then searches the content of the two baskets, but never finds anything. This goes on and on for thirty years. One day, the now-retired customs officer, is sitting in a café when he suddenly sees Goha passing by. He calls him and says: "Look, Goha, I am no longer a customs officer, but I am sure you tricked me all those years; I am curious to know what you have been smuggling for the past thirty years?" Goha answers him bluntly: "Donkeys".

Here is another anecdote about the workings of 'intellectual logic'. A scientist while working in his lab catches a fly and orders it to "fly" and lets it go; it flies. "Very good," he thinks. He catches another fly, cuts off its wings and commands it to "Fly!" It doesn't fly! He looks at it again and shouts; "Fly, Fly!" But it still doesn't fly. So he concludes: "Cutting off a fly's wings causes it to lose its sense of hearing!"

We find it amusing to see this logical literal interpretation as the limits of intellectual logic become evident. The mind is very logical here. However, it does not express reality. These 'jokes' highlight the concept that we cannot unconditionally trust intellectual logic in every situation. While this may seem very evident in these examples, in reality, it can occur unperceived in many situations of everyday life. Intellectual deductions and true knowledge are not always one and the same at times not even in seemingly solid scientific interpretations.

Our Time/Space Concept

Our perceived reality is a product of how our brains react to very limited frequency ranges, which our senses are designed to cope with. These are the ranges that most effectively allow us to create, and maneuver within our physical world. The different areas of perception in the brain interact to create our perceived reality and project it outwards as the real world inside which we live. The body has to function first, in order for perceived reality to exist. Therefore, the laws that govern bodily functions must originate in the unperceived frequencies of the total range of absolute reality. *Although we live within a perceived reality, our energy system interacts with the totality of absolute reality*.

The body functions are governed, like we said earlier, by universal wisdom. This wisdom does not come from our perceived reality, but rather from the absolute reality an absolute reality that does not follow time and space, because time and space are product of perceived reality. It is this wisdom that regulates all the different functions of our body. The moment the mind interferes in those functions, problems are created. Sometimes we philosophize and wonder if we have free will or if there is a divine 'something' that is playing with us. Many philosophers have pondered and written about it. Omar Khayyam, the eleventh century Persian Sufi poet, wrote in his famous Quatrains, translated by Edward Fitzgerald and known in Arabic as the 'Rubaiyat of Omar Khayyam':

'This all a Chequered-board of Nights and Days
Where Destiny with Men for Pieces plays:
Hither and thither moves, and mates, and slays,
And one by one back in the Closet lays.

The verses express a universal feeling or presence of a higher transcendental essence. Khayyam also wrote:

The Moving Pen writes; and, having writ,
Moves on: nor all thy Piety nor Wit
Shall lure it back to cancel half a line,
Nor all thy Tears wash out a Word of it.

When we read this, we might think it implies that we don't have free will on this earth. Thank God, we don't have free will in important matters that sustain life such as the laws that govern the biological functions of our bodies. In important matters that relate to life and to the prolongation of life, we don't have free will; otherwise, we would interfere with nature's laws.

The conscious mind, however, does have a free will for experiences within its own perceived reality such as creating a civilization or destroying one! We can do what we like as long as we stay away from the most vital things like the laws that govern our life because every time we interfere with the natural laws governing our body, for example, we cause disturbance. Animals in the wild are knowledgeable enough not to eat any poisonous plants. However, we with our man-made chemicals or genetically manipulated plants manage to trick their system on all levels to the point where we actually now have pet psychologists!

What is the difference between how these laws work, and the way in which our minds work? The mind functions within a particular conception of time and space. When you have to wake up at seven in the morning for example, what happens sometimes is that you might wake up, look at the time, and if it's five minutes to seven, you might think: "Oh! I can sleep for five more minutes!" You go back to sleep and you may dream. This dream could go on for what you think is six or seven hours, or even for a whole day. When you wake up again, you might think that you were very late and that you won't have time to make it to the office, but as you check your watch you discover that only a few minutes have elapsed. So, you see *our brain creates our time-space concepts, in our time-space reality. They don't exist beyond that.* Beyond that, like in the reality of a dream, there is another time-space concept. Every type of being, whether in one dimension of reality, or another, perceives time and space in its own way, as part of the overall criteria that form its reality.

The laws that come from another level, those that we access from right-brain consciousness, do not follow our time-space dimension. When we receive information through a right-brain type, instant, holistic perception, it sometimes defies the laws of left-brain type logic. This is what the mystics call 'illumination'. For example, a piece of information from that higher level could enter your right-brain consciousness in a fraction of a second. Then it might take up to a lifetime to take this coded information through to your

left-brain consciousness, your data-bank, your meaning level, and translate it in order to manifest it as knowledge. You might be working on it all your life, not knowing that what you have been doing all along is merely translating this spark of light, which you got in 1/100th of a second. All your experiences and learning are just ways of extracting it.

The Monochord

On his deathbed, Pythagoras asked his disciples to play the Monochord for him one last time. What was so important about the Monochord? A single string stretched between 2 nails on a wooden base, sometimes in the form of a hollow sound box (Fig. 92). Why did Pythagoras give so much importance to his famous, one-string 'Monochord'?

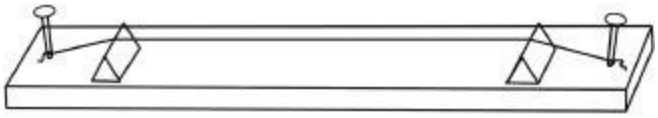


Fig. 92 – The Monochord

During his long period of apprenticeship in the temples of Egypt, Pythagoras was educated in the 'science of Harmonics', among other secret knowledge. There he became familiar with the mathematical ratios on the Monochord that produced the tones and overtones. These mathematical ratios represented the laws of creation in the science of Harmonics, which showed that everything in the Universe was based on numbers and their qualities. If we look at the relief in the Ancient Egyptian temples, or the musical instruments at the Museum of Antiquities in Cairo, we find a large selection of different musical instruments of every type that reveal a great knowledge of tonal systems. The musical laws were a manifestation of the divine laws governing the whole universe. They were part of the temple teachings reserved for the initiated. Pythagoras unveiled some of those teachings to the Western world. He taught that on the string a mathematical ratio and tension correspond to a musical note. *On the string, the quantitative measurement is converted into a qualitative note. Quality and quantity are two faces of one coin. They are two ways of perceiving the same thing. One is a measurement, the other an effect on the perceiver*.

What is a note? A note is a mathematical ratio as every violin or guitar

player knows. To produce a specific note, a finger must be placed at a certain point on the string which gives the appropriate length for that particular note. Thus, a Monochord converts mathematics into sound. *The numbers become alive and we hear their voice as tones.*

Let us look at this relationship or conversion between quality and quantity. Mathematics is quantity; modern science is quantitative. A musical note is quality, meaning it produces an effect; Ancient knowledge is qualitative. *By plucking the string on a Monochord, we can convert one into the other, quantity into quality and quality into quantity.* Another way of putting this is, if quantity is based on mathematics, and if mathematics is based on the quality of sound, why do we believe that quantity is scientific and quality is not?

If we have 'quantitative mathematics', then we can also speak of a 'qualitative mathematics'. Similarly, if there is a 'quantitative physics', then there is also a Physics of Quality, veiled somewhere in the ancient science of Harmonics. This is what a simple Monochord from ancient antiquity does. It opens the door to deciphering the symphony of creation, and understanding what lies behind such enigmatic concepts as the music of the spheres.

Pythagoras saw in the distances between the planets of our solar system the same proportions as in Musical Harmonics. On his deathbed, he wanted to hear the Monochord that to him expressed the divine laws of the universe. It was a form of prayer of transition.

Resonance and Harmonics

There are two kinds of harmonics: The classical 'Pythagorean Harmonics' and 'BioGeometry Harmonics'. Pythagorean Harmonics is a method of using quantities (numbers, ratios) to produce universal qualities perceived as musical notes. The BioGeometry Harmonic System, on the other hand, is totally different in essence from the traditional Pythagorean system. *BioGeometry Harmonics is a purely qualitative system, based on only the 'One Harmonizing Subtle Energy Quality' that is at the core of the forming process in nature, which is the main criterion of harmony in BioGeometry that we label 'BG3', and not on multiple qualities as in the notes of a tonal system. It is based on the 'resonance of quality' that is expressed in numbers, ratios and angles, that all manifest the BG3 subtle energy quality.*

Pythagorean Harmonics is quality derived from quantity, while BioGeometry Harmonics is quantity derived from the One Quality BG3.

Our contemporary point of view is one of looking at everything in a linear, quantitative manner; in the way we perceive time, space or frequency. In contrast to this, Harmonics reveals to us the language of quality, based on the phenomenon of Harmonic Resonance. It is the science of the laws of the harmony and unity in the Universe creating a universal symphony, in which everything has its place in the whole. Pythagoras referred to this as the, 'Music of the Spheres'. This is a qualitative harmonic system based on quantitative mathematical ratios derived from the physics of musical strings, as expressed on the Monochord.

This concept can be better understood using a musical string instrument. When we strike a chord, that string resonates with every other string double or half its size creating higher and lower octaves. Imagine a piano with string lengths ranging from zero to infinity. The octaves would connect through resonance to everything in the Universe, from the largest to the smallest. It is like raising the power of numbers in mathematics.

This model can also explain some of the qualitative aspects of creation. Taken from a mystical point of view; if we can imagine bringing the zero and infinity points together to form a state of everything and nothing that existed before the first impulse and the creation of time and space, and that continues to exist within creation, then we can understand how this point of zero and nothing is an everlasting, non-manifested power keeping the whole universal musical instrument in a state of constant Harmonic Resonance that we perceive as Creation. Creation emerged from the zero and infinity point, is powered by it, and will fade back into it. *Every 'vibration', as a quality, has a resonant harmonic mathematical connection with similar qualities of nature. It is as if this power in nature, in the whole Universe, wakes up in resonance*.

Music and Harmonics

It is said that Ancient Sacred Architecture was 'frozen sound', which means that the sound of the harmony of the Universe became frozen in the proportions and design principles of the building. Those monuments are timeless musical symphonies, playing in our energy fields on a subconscious level. They are transforming us in a very subtle way. If we do everything

according to the mathematical laws of the universe, we could be in tune with the universe by means of its music.

The qualities of numbers play a central role within the laws of the Universe. Pythagoras therefore developed a mathematical theory of music that represented the laws of the Universe. He taught us to calculate all the notes of music and showed how this division is not arbitrary. This is harmonics, how the NTRs interact together, how they form certain laws and guide the interaction of things. Those laws, those numerical vibrations, create patterns. When they interact, everything is created. The mathematical aspect of music was regarded as manifesting the divine laws.

The Swiss, Hans Kayser (1891-1964), revived the science of Harmonics and wrote numerous books on the subject. His book 'Akróasis[42]', which means 'hearing the universe', has been translated into English and is considered a very good introduction to his work. His 'Textbook of Harmonics' is the best scientific reference to date, while in his 'Organon' he delves into the spiritual dimensions of harmonics. There is also another aspect of harmonics in which shapes are created through sound. The German physicist and musician, Ernst Khaldni (1756- 1827), was the first to demonstrate it in modern times. He used a violin bow on the edge of a metal plate covered with sand to produce natural patterns. The Swiss physician, Dr. Hans Jenny, a contemporary of Hans Kayser, developed *Cymatics,* which is another form of visual harmonics. He used a flat surface like a drum, put sand over it and then made it vibrate to sound projected from under it. He developed several versions of what he called a 'Tonoscope'. As the surface vibrated, shapes started to form in the sand. This allows us to see the harmonic origin of matter, and realize that all shapes in nature are created from the interference of wave patterns giving form to matter. There is an interesting documentary film on Cymatics that shows us how sound can create amazing natural shapes. Some shapes look like insects that seem to crawl to the sound!

Dr. Masaru Emoto, famous for his work with frozen water crystals, went even a step further to demonstrate the effect of intention on matter. He developed a method of taking pictures of frozen water crystals from different sources. With this he was able to take a glimpse into the mysterious characteristics of water and the influence that the quality of energy and the environment has on it. As an example, water impregnated with good energy quality formed well-balanced and beautiful hexagonal structured water

crystals, while bad energy quality produced badly formed crystals. Prayer or other spiritual activities, even simple positive thoughts and some music, produced lovely, beautiful, well-balanced hexagonal water crystals, while normal tap water and bad energies produced undefined shapes. His books, the first being 'Message from Water[43]', were published worldwide in many languages.

In the summer of 2005, I met Dr. Emoto in his laboratory in Liechtenstein where we had a chance to share our work. Although we were working in different ways, we both found common ground for collaboration in future projects to provide solutions to environmental problems. Dr. Emoto transforms energy quality into form, while I use forms to harmonize energy quality in the environment.

In our collaboration with Dr. Emoto, we did several experiments in the Hado Life European laboratory at Liechtenstein. The Director of the laboratory, Rasmus Gaupp-Berghausen, carried out a great deal of work with BioGeometry shapes, and produced lovely crystals that clearly demonstrate the effect of the BG3 energy quality of BioGeometry. We used this technique to show the effect of the BioGeometry Cube, which is part of the Home-Kit that offers an individual single-home solution to the harmful side effects of electrosmog. It was developed and tested in the first phase of the Hirschberg project in Switzerland (Fig. 93). In the upper left we see the crystal resulting from regular tap water. The cube shown in the lower left corner was then placed in the room. When new samples of the same tap water were taken, they produced the four lovely crystals on the right.

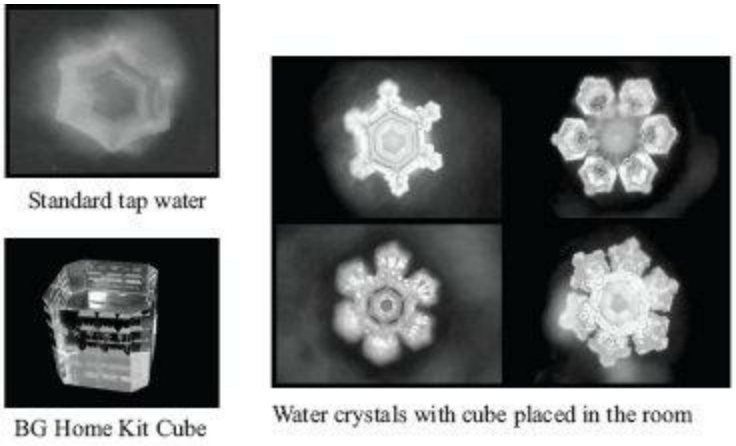


Fig. 93 – Effect of BioGeometry Cube on water crystals by Hado Europe

We also worked with Dr. Emoto to produce crystals from water on which the Divine Names of God from the Holy Koran were recited. The results were crystals that produced a subtle energy harmonizing effect on the organ functions similar to the repeated recital of the Divine Names. The correlation with the subtle energy functions of the organs is based on a system we discovered through research about twenty years ago, which is used widely, beyond religious prejudices.

The Tetractys

Pythagoras used numbers to express the laws of the universe. The whole world to him expressed itself through numbers. He developed a model called the 'Tetractys', in which he arranged the numbers from one to four in the form of dots in a triangular formation (Fig. 94). This was one of the figures used in a symbolic way to explain the workings of the laws of nature in every aspect of the universe. The Tetractys manifests several subtle energy secrets on which its practical sacred nature is based. We will examine this interesting figure from the BioGeometry point of view that deals with the *energy forming process of numbers.* Experimental research in BioGeometry shows that the geometric arrangement of numbers plays an important role regarding their subtle energy quality. We found that if ten points are arranged in the triangular configuration of the Tetractys, *they produce the BG3 subtle energy quality of BioGeometry. In any other arrangement of the ten dots of the Tetractys this energy quality is lost.*

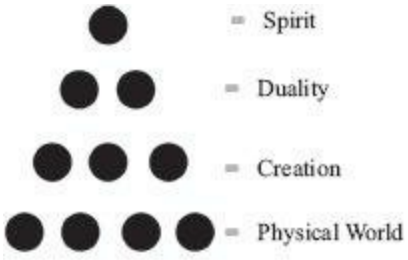


Fig. 94 – The Tetractys

In BioGeometry, there are numbers which produce the BG3 subtle energy quality based solely on their quantitative value irrespective of their geometrical layout. These numbers of the BioGeometry Series have been identified through the measurement methods of the science of Physics of

Quality. The following numbers form one of the BioGeometry Series that share the One Quality of BG3: 16, 19, 28, 34, 43, 54, 68, 72, 83, 89, 99… etc. These numbers are in a special kind of qualitative resonance with each other, and with a common transcendental multi-dimensional source. This is a different kind of resonance than that of musical harmonics, which is based on certain mathematical proportions between the string lengths. The numbers of the BioGeometry Series are not based on any mathematical relationship. The only thing they share is the BG3 subtle energy quality. Those numbers are therefore labeled 'sacred' because they manifest the same subtle energy quality as found in sacred power spots, and will reproduce it in any design in which they are used. They form the basis on which a system of BioGeometry Harmonics is built to produce the BioGeometry Modulor Systems that give dimensions, proportions, and angular scales for design (See Appendix).

We might be surprised that none of the first numbers from one to ten appear in this qualitative BioGeometry Series, but experimental research shows us that none of the numbers from one to ten manifest the BG3 subtle energy quality in full. The first number that manifests this quality is the sixteen, with which our series starts.

I have found an Ancient Egyptian text, quoted by Lucie Lamy in her book 'Egyptian Mysteries[41]', that refers to multiplicity of life through four levels of cell division, and expresses it in numbers as the process of halving, which is at the basis of Pharaonic Mathematics. The following quotation from the coffin of Petamon at the Cairo Museum (No. 1160.) points to a hidden qualitative relationship between One and Sixteen:

I am One that transforms into Two
I am Two that transforms into Four
I am Four that transforms into Eight
After this I am One

The proportion derived from that number (1:1.6) is the famous Golden Proportion used in Ancient architecture and now the basis of 'Sacred Geometry'. Sixteen brings out the sacred quality hidden within the *One* to manifest in our time-space material dimension. It is the first number of the sacred subtle energy quality series of BioGeometry that manifests the sacred energy quality, which makes it qualitatively the first number.

All numbers that do not have the BG3 energy quality in them can,

however, be reconfigured to achieve the same quality, if arranged in a special geometrical layout. This is the process we call the 'Sacred Energy Forming of Numbers'. The sacred subtle energy quality exists potentially in all numbers. In some it exists already, while in others, it can be produced through a forming process of arrangement in a certain pattern.

***We** can say that there is a geometrical archetype to numbers that produces the sacred energy quality.* Here are some examples of numbers arranged in such patterns that give the BG3 quality (Fig. 95).

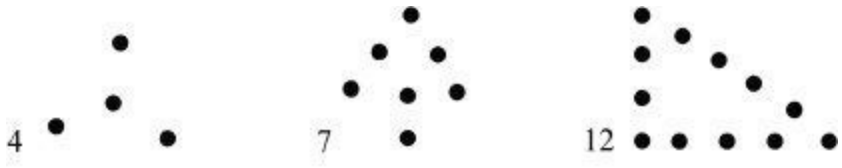


Fig. 95 – BG formed numbers

Music of the Spheres

Pythagoras spoke of the 'music of the spheres'. He even said: "I can hear the music of the spheres. I can hear the motion of the celestial bodies." Here he was clearly not just speaking about numbers in the form of the harmonic proportions of the distances between the orbits of the planets around the sun, as is usually thought. He must have also alluded to the inaudible sound waves created by the motion of the planets. If number and sound are the same, this means that quality has quantity in it. It also means that quantity has quality. So when he said, "Everything is number" he was speaking about the basic qualities of everything. By 'hearing the sound of the celestial bodies', *he was referring to feeling the effect of their energy qualities.* He might also have referred to the fact that the sun produces inaudible sound waves (longitudinal compression waves) from its core. There exists today a whole branch of science called 'Helioseismology', in which modern instruments are used to detect and measure those waves, and analyze the information about the interior layers of the sun from which they emerge. These inaudible sound waves also interact with all the planets circling around the solar system. The motion of all kinds of material bodies in the universe also creates secondary compression waves that are a type of inaudible sound waves (torsion, scalar, etc…). By the laws of harmonics the inaudible sound waves created by the

planets in the Solar System are actually a form of music.

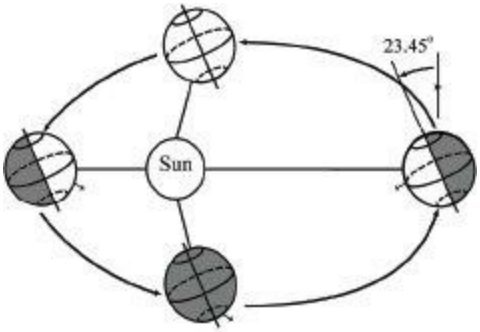


Fig. 96 – Earth orbit around the sun

The elliptical movement of the planets around the sun, which is also found in all other galaxies, is a very special geometrical shape with alternating relationships between its centrifugal and centripetal forces governing the inside 'pull' and the outside 'push', creating alternating polarities that result in a dynamic system of motion (Fig. 96). Our measurements have shown that the BG3 quality of the centers of the ellipse is found throughout the whole area inside it, unlike the circle which manifests BG3 only in its center. The whole ellipse is thus infused with total dynamic harmony. This is why the egg shape is the ideal shape for the growth of life. It can be understood as the sacred abode from which life emerges. The egg is the ideal environment in which the forming process of nature, which has the BG3 subtle energy quality at its core, can take place. The whole environment within the ellipse or egg is multi-dimensional and is connected to the whole universe. When Pythagoras said that the Universe is based on number, he was speaking in two languages: the quantitative and the qualitative. One was to the larger public about mathematics, the other was to his inner group about the interacting forces of the Universe. To his inner group, he taught that every number has multiple aspects of quality and emanation. Consequently, every number expresses a divine force, a NTR, and so does every geometrical angle. *In BioGeometry we state that, as angles are the components of shapes, and as angles are also energy qualities, then shapes are living energy qualities. Every shape of an object we see is a form of frozen energy quality, which comes to life and impregnates the energy fields around it, thus affecting all living energy systems in its environment, whether they are perceived as animate or inanimate. We are continuously changing, energetically, through every shape we see or perceive with any of our senses.*

Even the wind carries the living qualities of the shape it touches!

We understand mathematics from a contemporary perspective, either in a quantitative or in a symbolic way. But Pythagoras was not limited to those aspects of mathematics. He was speaking about the *Wisdom of the Universe,* the inner teaching of the temples of Egypt. We cite Pythagoras because his philosophy expresses the great shift. The quantitative aspect of numbers and the laws of their quantitative interactions were labeled 'The Birth of Mathematics', by those who only accepted the practical, quantitative applications. Pythagoras kept the Ancient Knowledge of Numbers within the inner teachings of his school, hidden behind a veil where it still lies in obscurity, as it did in the temples of Ancient Egypt. Through its practical methods in energy quality dynamics, the new BioGeometry worldview is slowly shedding light on this obscurity.

Ancient Knowledge

The Loss of Ancient Knowledge

How can people lose such precious knowledge? How can such knowledge, later on, be lost, misunderstood, relegated to superstition and magic, so that it has become totally useless to our civilization and even invites ridicule or causes violent reactions? The hidden temple sciences were misunderstood and feared as an ancient powerful form of magic. This impression comes from documents of the Egyptian Greco-Roman period in the last four centuries before our era. These show that the gradual loss of the Egyptian temple sciences started about four centuries ago, with the invasion of the Greeks and Romans. In order to be accepted as Pharaohs by the Egyptians, the conquerors tried to become assimilated into the Egyptian way of life. However, they only touched the surface layer and were never fully integrated into the Egyptian culture, nor allowed access to the secret knowledge of the Egyptian temples. Slowly only remnants of the application of sciences survived and, without the knowledge, were denigrated as mere traditional or magic.

The Ancient Knowledge consequently came to be viewed through left-brain perception. The actual function of the ancient symbols as vehicles connected with archetypal sources became obscure, as they cannot be activated through intellectual, left-brain perception. However, within the knowledge of ancient rituals, preserved by religious and esoteric groups such as the Freemasons or Rosicrucians, lies the ancient science of communication with the subtle energy forces of nature, hidden behind the intellectual veil of modern symbolism. Ancient knowledge, even in its symbolic form, was a major driving force behind many changes in world orders such as the French and American revolutions. The planning of several world capitals such as Washington, D.C. and Paris show that the planners had retained some of this ancient knowledge. Those cities were planned as subtle energy patterns, which Robert Bauval refers to symbolically as ‘talismans’.[44] In reality, they were subtle energy configurations that were activated through the obelisks brought from Egypt and placed in the proper power spot, according to the grid plan, and just as when the battery is inserted in an electronic device, the pattern becomes alive. The Pyramid with the eye on the American dollar bill, is one of many symbols that also attest to this Ancient Egyptian influence.

Contemporary Mankind

Carl Gustav Jung believed that only a small fraction of modern mankind, that had attained the state of 'Contemporary Man', could clearly perceive an emerging new consciousness. This Contemporary Man has acknowledged the existence of the unconscious and tries to understand it. Freud tried the same thing before Jung, but it was in the context of Modern Man. Freud looked from his left-brain perception at the unconscious as the source of all the impulses that affect our behavior. Jung, on the other hand, looked at them from his right-brain perception. He found that, in addition to Freud's limited identification of unconscious realms, several other archetypes were also manifesting on the individual, as well on the collective levels. Ancient symbolism and esoteric mythology were still alive in us, on a subconscious level. The ancient world was emerging again. The Gnostic school of Alexandria became in part alive again in Europe under the veil of Jungian Psychology.

Modern Man is slowly developing into Contemporary Man. That is why, if you take a minute to contemplate, you will probably feel that you somehow resonate with an inner knowledge; and that even though I might be presenting it in a new form or different language, it still feels familiar 'as if you always knew it'. This is the feeling of right-brain perception. The realization of the Universal knowledge-base.

The new awareness and connectedness with the laws of nature is a very important thing to cultivate if we want to avoid global life destruction. If we can use BioGeometry, and similar qualitative sciences, to re-design the world of modern technology, we can make real changes and stand in reverence to the harmony brought by the empowering of the laws of nature. Only then will we create the needed condition that will encourage the right relationships between humanity and the cosmos. If we have the wisdom to accept a new, yet ancient outlook, and bypass our arrogance, then perhaps we can achieve the 'Land of Gold' my father entrusted me with on a global scale.

The 'Golden Age' will come when we achieve a shift in perception to become aware of the real 'Gold' in the spiritual light found in all sacred power spots of all humanity. This is the unifying light where all beliefs meet.

BioGeometry strives to take our focus of awareness back to this spiritual light and bring its harmony into all our activities, just as the great ancient civilizations did.

The Golden Age is just a shift of perception from the materialistic to the subtle.

You make me see everything
I see You in everything
You see me through everything

Ibrahim Karim

Epilogue

The greatness of the Ancient Egyptians comes from the fact that they were living in harmony with the laws of nature. Working with the NTRs was their way of living. They worked on the archetypal level of the laws of nature, to be in resonance and bring harmony to the whole energy system behind the physical reality. They played an active role in bringing prosperity to the land of Egypt.

Unless we see through their perception of reality, we cannot understand the knowledge of Ancient Egypt. From their perspective, we learn that energy is conscious, aware, and has wisdom. We learn that a balanced natural state between opposites comes from wisdom. This wisdom can only be accessed through harmony with the laws of nature. The NTRs were alive in the consciousness of the Ancient Egyptians and participated in everyday activities.

Through the contemporary science of BioGeometry®, we learn to infuse the intellect with that divine wisdom inherent in the laws of nature, to provide the balancing energy quality. The divine wisdom of nature contains within it solutions to all imbalances. BioGeometry techniques will enable us to restore balance everywhere by empowering all biological systems, and the whole atmosphere, with the BG3 quality at the core of the natural forming process.

Contemporary Man could still have an advantage over the Ancient Egyptians. We have achieved an advanced civilization through a powerful focus of perception of the left-brain type. This led to advanced specialization that produced our high level of modern technology. We can appreciate the greatness of the unconscious even more through this analytical type of perception, and develop modern ways of accessing it. By synchronizing our perception with the wisdom of the laws of nature inherent in right-brain perception, we can achieve a worldview that is equally scientific and metaphysical. This will be the foundation of our future Golden Age.

Appeal

Save the Heritage of Humanity

This is an appeal to all those concerned with monuments all over the world and especially in Egypt. Throughout history, sacred sites have been the focus of their communities, and while civilizations change, these sites are reborn within the changing beliefs. Archaeological excavations show that those sites have been built over and over with the sacred monuments of every passing civilization. The sites are eternal, while the buildings are temporary. These sites were deemed sacred because of their special harmonizing subtle energy qualities that produced spiritual experiences, irrespective of the presence of any monuments. The monuments were built to harbour the religious activities. They were designed to enter into resonance with the special energy quality of the place. However great the monument, it is always secondary to the place. Preservation of heritage should always consider the site as first priority before the building, and should always aim at restoring the special natural energy quality of the site before the building.

Here are three examples of mistakes that have been made in the name of preservation that we should try to correct and avoid in the future. This is not only for the preservation of our heritage, but mainly for our future on this planet.

1. The temples of Egypt have been moved from their sacred power spots and placed in safer higher areas to avoid the water from the new High Dam. Calculations regarding the sun and some other aspects were preserved, but the main subtle energy quality, which is the essence of the sacredness of the temple, has been lost. In the future, one should move them to power spots with a similar sacred energy quality. We can still correct past mistakes by using BioGeometry® to create a power spot with similar energy quality as the original in the sites of those relocated temples.

2. Moving obelisks and statues from their sacred spots is the same kind of mistake as relocating the temples. In Washington, Paris and Rome, they used the Egyptian obelisks to empower the main power spots that were the centres

of subtle energy quality projection, needed for the prosperity of the city.

3. The transformation of the sacred lake in the Karnak temple in Luxor from a sacred natural water source on an energy power spot into a modern pool with tap water and continuous filtering and chlorination, is another huge mistake that robs the whole area of its sacred energy quality. One should find the source of pollution to the natural source and solve the problem there. If needed, BioGeometry can be used to restore the energy quality to the water.

Ewald Keller and BG Flower Emitter

Sayed Karim installing BioGeometry
on electrical cables

BioGeometry on high tension cables

Appendices

Overview of the BioGeometry Design Language

The Process of Creating BioSignatures

BioGeometry Knowledge & Applications

Acknowledgement by Ruth Schaad

Excerpts from the Study of the Mobile Radiation in Hemberg

Hirscherberg Project

Sekem Isis BioGeometry energy balancing bottle

The BioGeometry Design Language

Overview

Introduction

BioGeometry is the practical application of the new innovative breakthrough science of the Physics of Quality. It offers a design language that works on the quality of information exchange between living systems to bring harmony into the subtle energy quality of the environment. This method has proven its efficacy during thirty-five years of research projects all over the world. A significant shift in awareness of the subtle energy interactions in the environment by the academic community allowed this cutting edge science to be the subject of a number of postgraduate studies in several reputable universities in different disciplines: Architecture, Interior Design, Industrial Design and Environment.

The threat resulting from new forms of pollution, such as electromagnetic radiation, cannot be dealt with solely by the reduction of the power of the sources. The number of sources of what is believed to be individually weak and harmless emissions of EMR collectively and continuosly pose a very viable and dangerouse threat. In BioGeometry we strongly believe that all possible measures should be taken to save our Earth from the proliferation of all forms of pollution and offer a complimentary methodology that supports the environment and life on Earth.

BioGeometry & the Environment

Applied BioGeometry designs resonate with the environment to produce a harmonizing subtle energy quality, which superimposes a balancing energetic qualitative component. This method has proven its efficiency in reducing the harmful effect of environmental pollution on living systems. The harmonizing subtle energy quality of Biogeometry can impregnate any object. However in the case of living systems it also induces a special quality into the water content of the body that reduces the change that EMR produces in it. This harmonizing effect induces physical changes in water that have

been detected by microscopic photography.

How BioGeometry Works

When applied, BioGeometry principles can be subtly implemented into the forming process of design without interfering with other factors or style of design. As it works mainly by harmonizing the quality of interaction of an object with the environment, it does not significantly affect any quantitative measurements of either. This is due to the fact that *BioGeometry shapes work on the secondary wave patterns resulting from the main shape or motion in the environment.* These waves are similar to those resulting from the motion of a boat in water; their effect can be felt at great distances on any object, and the shape of the object will also affect the waves transmitting back a resonant effect to the boat (Fig. 1).

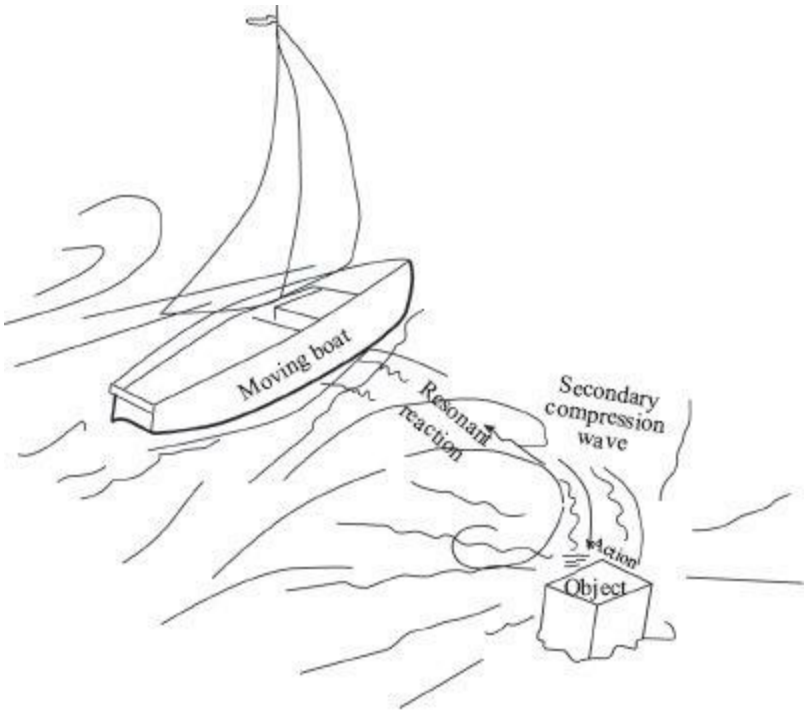


Fig.1. Secondary waves resulting from a moving boat

The main shape creating the motion is not affected quantitatively in any significant way. The secondary waves form a background wave pattern that is the main carrier of quality in the environment. The secondary waves are of the compression longitudinal type (e.g. sound, scalar, torsion and eddies) even if the main motion is of electromagnetic nature. These are similar to

sound waves on an inaudible level that are beyond the hearing range and as such are affected by the shape. In the science of Acoustics for example, we interact with sound waves through the use of shape (Fig. 2). In Aerodynamics and Hydraulics we also use shapes to deal with compression waves of air and water respectively (Fig. 3). All types of motion create such waves in the environment producing a background subtle energy pattern spanning the whole universe.

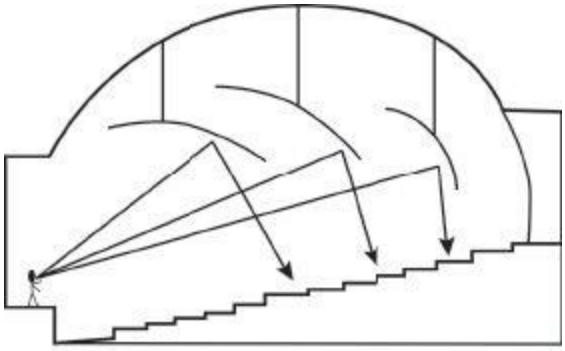


Fig. 2 - Theater acoustics

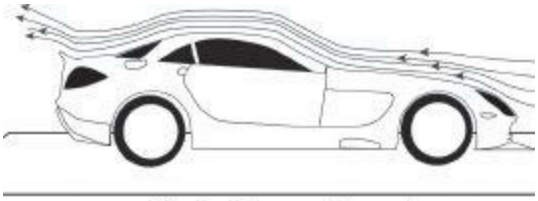


Fig. 3 - Car aerodynamics

A person walking into a room will create such waves that affect the subtle energy qualities of the room and, through resonant interaction, transmit back the resulting quality of the surroundings to the person. The motion of a hand or even the blink of an eye will produce similar effects. All sensory interactions have the same effect on the sender as well as the receiver (Fig. 4).

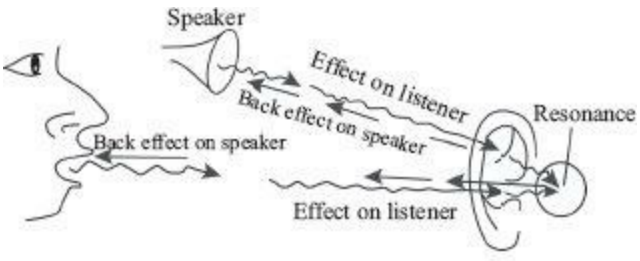


Fig. 4 - Sensory effects on sender and receiver

BioGeometry shapes affect the quality of subtle energy in the environment just as shapes put in the flow of water affect the pattern of the flow. Any change of shape in the pattern of flow will produce qualitative effects on the resulting functions. The way that BioGeometry affects the subtle energy functions of the environment is expressed in a qualitative Trinity of: Energy-Shape-Function (Fig. 5).

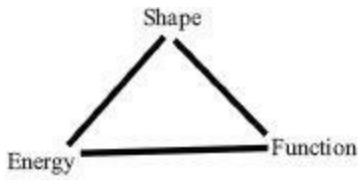


Fig. 5 - The ENERGY-SHAPE-FUNCTION principle in BioGeometry

According to this concept of the 'BioGeometry Qualitative Trinity', we use BioGeometry shapes that produce the BG3 quality to affect the background energy wave pattern and produce harmony in the subtle energy functions in the environment. To illustrate this threefold relationship in which shape forms the energy flow to produce the function, we can take cooking as an example. We will see that the shape of the cooking utensil (wok/frying pan… etc) shapes the flame giving a different kind of energy distribution in accordance to the function needed (Fig. 6).

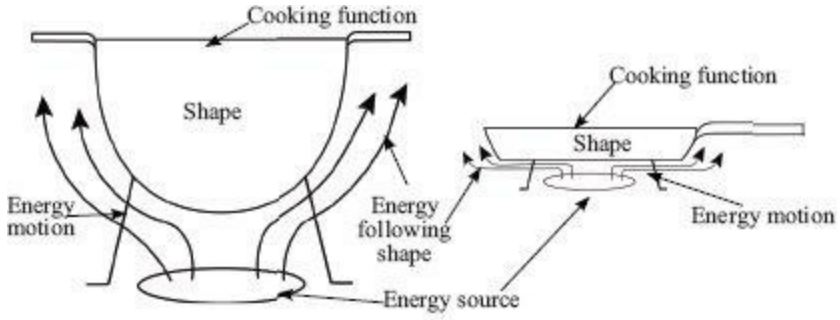


Fig. 6 - The shaping of fire for even distribution of heat for cooking

Goals of BioGeometry Design Language

A. Introducing Harmony in the Environment

The Electromagnetic Radiation (EMR), which is a main feature of modern

technology in the age of information, is adding to global warming. The production of electricity is polluting the atmosphere with gases that play a direct role in global warming. There is, however, another factor that is not given any importance at the moment; this is the direct warming effect produced by the motion of the microwaves themselves in the atmosphere, which might be very minute and insignificant at the moment, but with our ever-increasing use of EMR, it will become more significant. BioGeometry has been shown to reduce the infra red emanation of objects and could in future research play a role in the reduction of global warming.

Electromagnetic radiation (EMR) is the unperceived danger that with indefinite increase could lead to global life extinction. Electrosmog is a layman's word that refers to the harmful effect of electromagnetic radiation on the environment. Electrosmog is composed of the primary effect of electromagnetic fields as well as another more widespread effect from the secondary non-electromagnetic compression waves spreading to greater distances through the environment (Fig. 7).

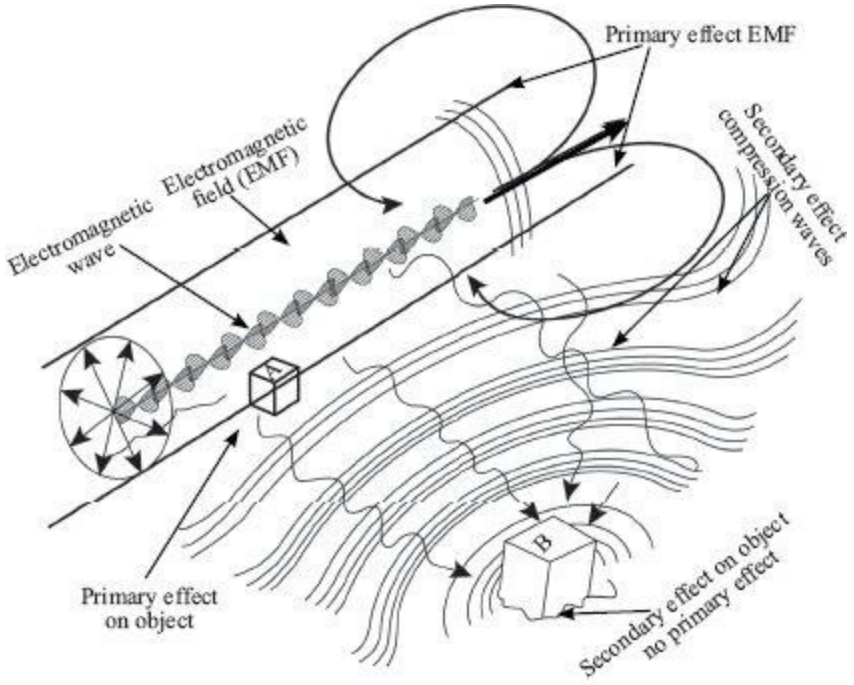


Fig. 7 - Electrosmog effect from secondary compression waves in the environment

Only the first effect due to electromagnetic waves is measurable with electronic devices and is the one taken into consideration when imposing safe limits to protect the users. The other secondary effect is due to non-

electromagnetic waves that cannot be detected by conventional devices measuring electric or magnetic radiation. Other types of devices must be used to detect or record the minute movements of compression waves in the environment. This is the main reason that the secondary effect is not acknowledged or taken into consideration by mainstream scientists. The amazing results achieved in the reduction of the harmful effects of electrosmog in the Swiss projects of Hemberg and Hirschberg are due to the fact that BioGeometry acknowledges and deals with these secondary background effects as well.

Another major problem that threatens life on our planet is the shortage of water and its deteriorating quality. Industry is continuously polluting rivers, lakes and oceans. Purifying chemicals are used to keep a quantitatively 'safe level' for human consumption not recognizing the pollution that they cause on the energy level as they deplete the water of its life energy. We are drinking dead water. Research has proven that using BioGeometry techniques is a very effective way of restoring the life energy in water.

B. New Evaluation System for Modern Technology, Arts & Architecture

One of the main goals of BioGeometry is the 'Humanizing of Modern Technology'. We must assess the effect of all the products of modern technology on living energy systems in order to avoid self-destruction. In other words, we must consider the quality of the human energy system as part of any design criteria.

In BioGeometry, we provide an essential objective evaluation system for Architecture and Arts based on their degree of harmonizing effect on the living energy systems. *Man in his totality, including all the subtle energy levels of his being, becomes the measure of all things. The level of BG3 subtle energy quality that the object produces in its environment is the scale of assessment of any object of industrial design and all types of art.*

C. BioGeometry & 'Green'

The awareness and practice of the 'Green' way, on an individual and collective level, is essential to save our planet. The original label of Green

related to recycling of materials has evolved and now includes multiple aspects of environmental threats that are dealt with differently by different schools.

BioGeometry adds a new dimension to our current concepts of Green and emphasizes the complementarities between the different perspectives. It provides a methodology to transform the energy quality of natural or man-made materials to fit into the new paradigm of Green. In BioGeometry it is the effect of building on the subtle energy life systems of humans, animals and plants that determines the 'Greenness' of the project. The BG3 scale is an abstract evaluation system that determines the new level of Green, independent of any other criteria.

The Nine Pillars of the BioGeometry Design Language

The following nine pillars from the BioGeometry (BG) Design Methodology provide the tools that can extend and enhance the existing design criteria in any field of design to induce natural harmony in the subtle energy quality of the surrounding environment.

1- BioGeometry Earth Energy Design
2- BioGeometry Sky-linked Design
3- BioGeometry Qualitative Harmonics
4- BioGeometry Design Principles
5- BioGeometry Motion in Design
6- BioGeometry Qualitative Global Scaling System
7- BioGeometry Archetypal Design Codes
8- BioGeometry Material Energy Quality Balancing
9- BioSignatures

BioGeometry is based on a Physics of Quality, the laws of 'Qualitative Harmonics', and a scientific system of BioGeometry measurements. In the first two pillars dealing with architecture and earth-related design, one needs to work in harmony with the earth energy patterns and in some cases achieve certain links with sky locations. This includes methods and tools to detect and assess the subtle energy quality effect of Earth Energy Power Spots and Earth

Energy Grids on living systems. Earth energy grid surveys are usually delegated to specialists to be used as modular grids for the design. (There is a certain amount of expertise involved in the measurement of Earth Radiation. Several precautions need to be taken in order to avoid any harmful effects on the person doing the detection and measurements).

1) BioGeometry Earth Energy Design Principles

In architecture we use the material aspects of the building to form the qualities of the space within it and around it. Our space is part of the life energy system of the Earth, and in this sense includes energies on several levels. The Earth's atmosphere is an integral part of its body. We actually live and build inside the body of the Earth and not on it as it may seem. The architect should then be viewed as the 'sculptor of space' and must in his forming process integrate his building into the subtle energy anatomy of the Earth on all levels.

There are different types of vertical and horizontal patterns of earth energy that form an invisible energy structure in the atmosphere above the ground. *In BioGeometry we design in harmony with the Earth. These natural earth energy patterns are used as modular systems for the grids on which the axes are placed in architecture and town planning (Fig. 8).* For this purpose, Ley lines, Hartmann and Curry 'Global Earth Energy Grids', the Benker Cube System and underground water paths, which are part of the subtle energy anatomy of the Earth, are mapped (Fig. 9).

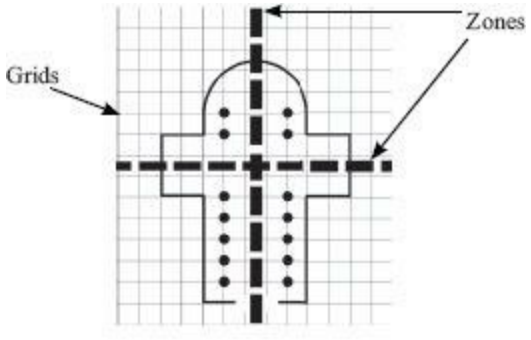


Fig. 8 - Building on Earth Energy Grids

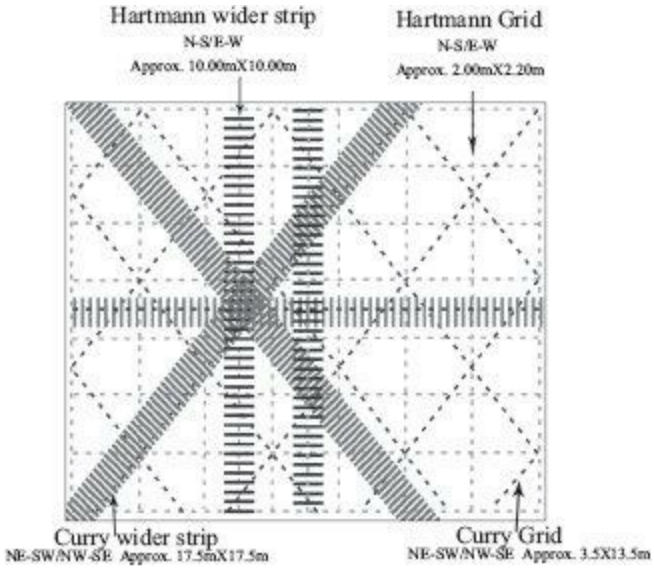


Fig. 9 - Hartmann and Curry Grid

These energy grids are used to connect the buildings with the Earth Energy System, so that the buildings 'grow' out of the ground and become part of the energy structure of the Earth and its atmosphere. The different types of subtle earth energy grids are the result of secondary longitudinal compression waves caused by the motion in the electromagnetic patterns of the earth. We can find a form of very minute electromagnetic ionization along the periphery of the Grid Line motion caused by friction.

In BioGeometry we look for Earth Energy Power Spots through the component energies of BG3. This is the quality, as we know, that is found in the geometric center of figures. In the case of Earth Power Spots this 'One' quality covers a certain area giving it the harmonizing quality that we refer to from a qualitative geometric view, as the *'Centering Effect', because it expands the subtle energy quality found within the illusive center to fill all parts of the objec*t. BioGeometry designs are specially calculated to form their own harmonizing subtle energy qualities. They can therefore be applied to any type of design from a micro to a macro level, without the connection to a power spot. However, these objects when connected to other similar objects or power spots (on earth or sky) form an amplified harmonizing resonant pattern.

B*ioGeometry is the design language that produces shapes that induce harmony into the subtle energy quality of Earth Energy Grids and from there into the buildings. The buildings will then emphasize the subtle energy quality of a power spot, if found, or create their energy equivalent and utilize*

earth energy grids to bring harmony into the environment.

2) BioGeometry Sky-linked Design

The creation of a pattern of paths to connect power spots through Ley Lines, Spiritual Paths and Earth Energy Grids, is an ancient practice that goes back to prehistoric times when the first Menhirs and Dolmens were erected. In our BioGeometry research we were able to detect the location of BG3 Power Spots in certain areas of the sky. *Once detected, these sky locations can be connected to the BG3 pattern on earth to form a three-dimensional grid. This type of Earth-Sky connection seems to have been practiced in the alignment of prehistoric megalithic monuments.*

When this link is achieved the Earth-Sky connection empowers the natural earth power spots making them much stronger. The linking is achieved by resonance through the construction and orientation of certain parts of the building at the exact time of the beginning of a cycle when the star first appears over the horizon. *Only the resonance achieved at these points of change in a cycle will sustain itself permanently***.** In the monuments of Ancient Egypt, the dimensions and orientation of resonant chambers, shafts, openings are usually designed to capture the energy quality of certain wavelengths that ensure the connection.

3) BioGeometry Qualitative Harmonics

BioGeometry Harmonics is a purely qualitative dimensioning system based on the harmonizing subtle energy quality found in earth energy power spots (BG3). It is based on the *'Resonance of Quality'* that is expressed in numbers, ratios, angles and other forms; as such they can all enter into several types of *resonant harmonic communication***.**

The Pythagorean Harmonics system shows the mathematical proportions of strings to produce musical notes as a manifestation of the laws of nature: *Quality derived from Quantity*. BioGeometry Harmonics in contrast, is *Quantity derived from Quality, because it starts with the BG3 quality components of the geometrical center to detect numerical values that resonate with and manifest this quality***.** In Pythagorean Harmonics the numbers produce different qualities. In BioGeometry the spiritual

harmonizing subtle energy quality takes numerical forms to manifest in the physical dimension.

A. Numerical Expressions of the 'One Quality' **T**he Ancient Greeks spoke of architecture as "frozen music", meaning that it is using all the harmonic proportions of music found in nature. Harmony in nature is the result of one Centering energy quality that manifests in an endless number of proportions. It manifests the transcendental divine laws that govern the archetypal forming process in nature. This quality plays a major role in sacred rituals, objects and buildings.

It is generally assumed that the Golden Proportion of 1:1.618 used in Sacred Geometry is the main proportion in the forming process of nature. This however, is not the case; this proportion expresses only one of the musical proportions used in Ancient Architecture. There is a hidden energy quality behind this proportion that is based on *the subtle energy quality of the number 16*, which manifests BG3. The number 16 is however only one of many numbers that manifest this quality.

Numbers are expressions of subtle energy qualities. No single number or proportion alone can produce the myriad of forms in nature. *There is a single quality however, which does exactly that through its manifestations in the endless amount of numbers and proportions in the natural forming process.* In BioGeometry we were able to identify this subtle energy that creates harmony and balance as the *One Harmonizing Subtle Energy Quality (BG3). BioGeometry is the science of detecting, reproducing and applying this harmonizing subtle energy quality through a harmonic system of numbers and proportions. From a BioGeometry point of view, this level of architecture can be described as 'Frozen Sacred Ritual'.*

The science of BioGeometry is based on this quality that balances all other qualities in nature. In BioGeometry we have found through experimental subtle energy quality measurements that an endless sets of numbers manifest this BG3 harmonizing quality. *Other numbers that do not manifest the BG3 energy quality can be formed to display it by arranging the geometric configuration of the number according to certain design principles.* This is very similar to how different configurations of atoms produce different molecules. The BG numbers, however, manifest the BG3 energy quality in any configuration.

All BioGeometry Series are composed of numbers that in any

configuration produce the BG3 subtle energy quality. The intensity of BG3 in these numbers undergoes cyclic variation due to cosmological influences. The following series shows the relatively stable numbers, there are however other series targeting specific applications. The first numbers of the BioGeometry Series that share the One Quality of BG3 are: 16, 19, 28, 34, 43, 54, 68, 72, 83, 89, 99…etc.

There is no quantitative mathematical correlation between these numbers; however, they all manifest the One Quality BG3. Some numbers manifest BG3 at certain times only and are thus not included in the basic BG3 Series. Notice, however, that the number sixteen is the first whole number of the series that manifests the BG3 quality. It occupies position '1', in the BioGeometry series, physically and symbolically.

These numbers were used to produce a BioGeometry Harmonic System of numbers, proportions and angles that are used with certain design criteria to produce shapes that induce their inherent harmonizing quality in the environment. The BioGeometry Harmonic System and the forming principles can be applied in any field of design to synchronize the subtle energy quality of the environment into a natural harmony, whether the designed shape is a piece of jewelry, a house or an entire city. The harmonizing effect of BioGeometry designed objects can be measured and the effect on the subtle energy functions of the body can be assessed.

The BG Harmonic Tables of numbers, proportions, angles, arcs and shapes are dynamic. The basic unit in the table can be set to any dimension, resulting in a greater flexibility of use (Fig. 10).

The tables are designed to enable them to be modified dynamically to adapt to different uses. A base unit, which can incorporate an important dimension (e.g. an existing height of the ceiling in a building) can be used as a function to which all the other dimensions are then related.

BioGeometry Modulor BGM 1-3

Base unit: 1 Scale = 0.1

BG No.	0.10	1.60	1.90	2.80	3.40	4.30	5.40	6.80	7.20	8.30	8.90	9.90
1												
16		25.60	30.40	44.80	54.40	68.80	86.40	108.80	115.20	132.80	142.40	158.40
19		30.40	36.10	53.20	64.60	81.70	102.60	129.20	136.80	157.70	169.10	188.10
28		44.80	53.20	78.40	95.20	120.40	151.20	190.40	201.60	232.40	249.20	277.20
34		54.40	64.60	95.20	115.60	146.20	183.60	231.20	244.80	282.20	302.60	336.60
43		68.80	81.70	120.40	146.20	184.90	232.20	292.40	309.60	356.90	382.70	425.70
54		86.40	102.60	151.20	183.60	232.20	291.60	367.20	388.80	448.20	480.60	534.60
68		108.80	129.20	190.40	231.20	292.40	367.20	462.40	489.60	564.40	605.20	673.20
72		115.20	136.80	201.60	244.80	309.60	388.80	489.60	518.40	597.60	640.80	712.80
83		132.80	157.70	232.40	282.20	356.90	448.20	564.40	597.60	688.90	738.70	821.70
89		142.40	169.10	249.20	302.60	382.70	480.60	605.20	640.80	738.70	792.10	881.10
99		158.40	188.10	277.20	336.60	425.70	534.60	673.20	712.80	821.70	881.10	980.10

BioGeometry Lambdoma BGL 2-3

Base unit: 10 Scale = 1

BG No.	10.00	6.25	0.53	0.36	0.29	0.23	0.19	0.15	0.14	0.12	0.11	0.10
1												
16		100.00	8.42	5.71	4.71	3.72	2.96	2.35	2.22	1.93	1.80	1.62
19		118.75	10.00	6.79	5.59	4.42	3.52	2.79	2.64	2.29	2.13	1.92
28		175.00	14.74	10.00	8.24	6.51	5.19	4.12	3.89	3.37	3.15	2.83
34		212.50	17.89	12.14	10.00	7.91	6.30	5.00	4.72	4.10	3.82	3.43
43		268.75	22.63	15.36	12.65	10.00	7.96	6.32	5.97	5.18	4.83	4.34
54		337.50	28.42	19.29	15.88	12.56	10.00	7.94	7.50	6.51	6.07	5.45
68		425.00	35.79	24.29	20.00	15.81	12.59	10.00	9.44	8.19	7.64	6.87
72		450.00	37.89	25.71	21.18	16.74	13.33	10.59	10.00	8.67	8.09	7.27
83		518.75	43.68	29.64	24.41	19.30	15.37	12.21	11.53	10.00	9.33	8.38
89		556.25	46.84	31.79	26.18	20.70	16.48	13.09	12.36	10.72	10.00	8.99
99		618.75	52.11	35.36	29.12	23.02	18.33	14.56	13.75	11.93	11.12	10.00

Fig. 10 - BioGeometry harmonic tables

B. The Physics of Quality of Numbers and Angles

The Physics of Quality opens new doors to the measurement and understanding of the qualitative interactions in almost any field of life. Polarities, body postures, geometrical shapes, letters, words, materials and so on, all have a qualitative dimension through which we can have a deeper understanding of their inner workings.

a. Number of Objects:

The number of similar objects in a space will give a certain energy quality to that space. The number of similar columns, for example, will affect the subtle energy quality of the space. The same applies to identical repetitive architectural elements such as windows, columns, doors, or the number of seats in a conference area.

b. Placement:

The location of each object in a group of objects gives it a distinct subtle energy quality in addition to the one resulting from the total number which is shared by all objects in the group. For example: the space around each column will differ in the secondary energy quality, each seat in a conference hall will have a different energy quality. Similarly, each window in a group of similar windows will show the overall quality plus a secondary one based on its location in the group. The light coming through each window will carry slightly different secondary subtle energy qualities.

c. Dimensions:

The dimensions of objects play a role in affecting the subtle energy quality; they enter into proportional relationships with other objects.

d. Proportions:

The proportions of an object or that between different objects play an important role in the subtle energy quality.

e. Numbers and Biological Functions:

There are numerical combinations that are in resonance with biological functions that can be used in design for an added effect, they are not necessarily in the BG3 series. Each of the numbers in the BG series has its own resonance with biological functions and laws of nature, which gives each number in the series its own identity in addition to the fact that they all manifest the BG3 quality.

f. Angle of Rotation:

The angles of rotation within any type of design play an important role in the resulting subtle energy effect of the object on the surroundings. This also applies to the relationship between the angular components of shape.

g. Angle of Placement:

The angles of placement of objects in relation to other objects play a role on the overall subtle energy quality.

T*he BioGeometry Qualitative Harmonics System is applied to all the above numerical and angular criteria to achieve BG3 and induce harmony in the object and its environment.*

4) BioGeometry Design Principles

The application of the BioGeometry Design principles creates awareness of a center of rotation or a central axis of the design. The Centering process is fully achieved when the *BioGeometry Harmonic Proportions* are applied together with the Design Principles to achieve the BG3 subtle energy quality.

A. Rotation

The principle of rotation (Fig. 11) is a method of activating a center in the design to create the BG3 quality. When the rotation is applied according to specific angles from the *BioGeometry Harmonic System*, the BG3 energy quality will fill the whole design creating the Centering effect that is the main criterion for the harmonizing effect in the environment. Rotation in both directions can be used, but the final effect should be clockwise and balanced. In special cases when interacting with some Earth Energy Power Spots or in certain rituals a counter-clockwise rotation is performed. This rotation in conjunction with a powerful special subtle energy emanation of the power spot connects to the spiritual doorway of the center.

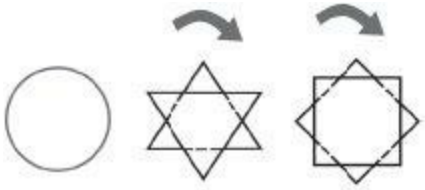


Fig. 11 - Rotation

B. BioGeometry Color Placement

A very special form of rotation is created through color placement (Fig. 12). Color samples are rotated at certain angles to the N-S direction and to each other to create virtual axes that produce the BG3 quality in the center of the room. The BG3 area around the center can then be spread to produce the Centering effect through fine-tuning by measurements. This fine tuning of the angles can be achieved through the use of the BioGeometry Harmonic Tables. This system of placement can be applied to any object where the shape enters into play.

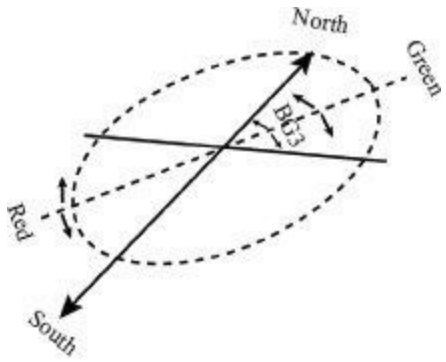


Fig. 12 - BG color placement

C. Interfacing

One of the methods that allow form or shape to create a harmonizing energy is the principle of Interfaces (Fig. 13). An interface is the boundary between two things, where one goes into the other. We have two levels of boundaries: The first and simple boundary level is what you find whenever two surfaces of different materials meet in a straight line. These two surfaces have different energy qualities, so they create a boundary where we can find the subtle energy communicative quality (Negative Green) of a carrier wave.

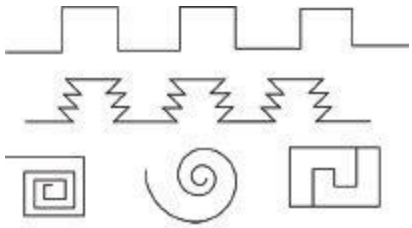


Fig. 13 - Interfaces

The second level is when the boundary between the two materials is curved to form an interface. An interface usually creates an awareness of several interactive centers in the shape of the boundary. A double interface is even more potent as it creates two centers. By using the proportions and angles, or other components from the Qualitative Harmonic System of BioGeometry, we achieve the Centering quality where the BG3 spreads through the whole design.

D. Shifting

When planes are superimposed in a form of shifting (Fig. 14), they create an impression of a third dimension of depth on a two-dimensional plane, one or more central axes are created that produce the BG3 quality. This principle has

played a major role in the Cultural Revolution that produced the school of Cubism in art (e.g. Picasso, Fig. 15) and the beginning of Modern Architecture (Fig. 16). Applying the BioGeometry Harmonic System to the shifting process produces the BG3 Centering effect.

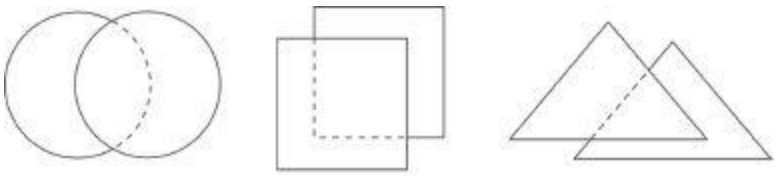


Fig. 14 - Shifting

Fig. 15 - The use of the shifting principle in Cubism

Fig. 16 - Shifting and Transparency in Modern Architecture

E. Transparency

This is an advanced form of Shifting or Rotation that is used to form the grid

on which a design was made and is then only evident in the background of the design (Fig. 17). It is a popular method of design in ancient and modern architecture as well (e.g. Frank Lloyd Wright, Le Corbusier, Mies van der Rohe). Sometimes the figure of a human being is used in a transparent way for the proportions of the grid as in the temple of Luxor (R.A. Schwaller de Lubicz, Temple of Man). Here archetypal principles inherent in the human proportions are at play (Fig. 18).

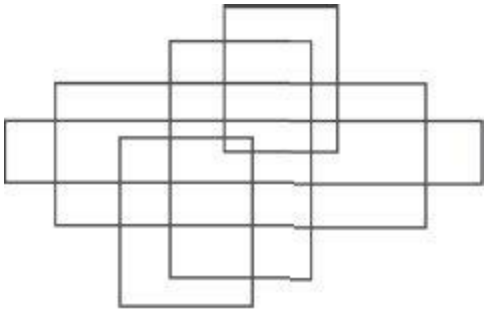


Fig. 17 - Transparency

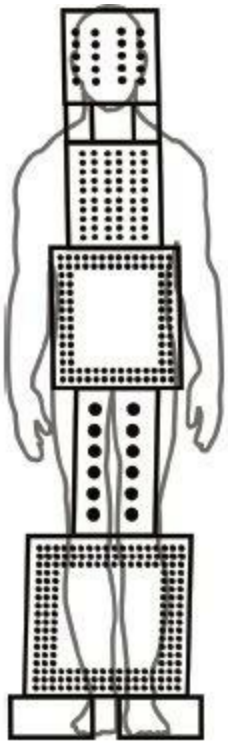


Fig. 18 - Transparency on human figure, Temple of Luxor

5) BioGeometry of Motion in Design

Everything in the universe is moving. All types of motion create an effect on their surrounding environment. This background effect is in the form of compression waves, which become part of a secondary background weave in which everything moves and exists. The relationship between the motion and what was thought to be empty space takes on a new dimension in BioGeometry. Instead of an empty space, we perceive a living sea in which everything has a place in a universal unity connected by a living information exchange.

A. The BioGeometry Energy Key

The BioGeometry Energy Key gives us a 2D/3D concept for the analysis of the qualitative effect of motion on its surroundings.

Any linear flow of energy produces four different energy qualities in its surroundings. The two-dimensional BioGeometry Energy Key (Fig. 19) is based on the actual shape produced by a moving stream of energy in water. The full three-dimensional shape of the BioGeometry Energy Key is like a Torus or doughnut shape with a wormhole at its center (Fig 20). The shape of a Torus around a linear motion is not new, but in BioGeometry it is used from a new qualitative point of view and not for its mathematical/ geometric properties.

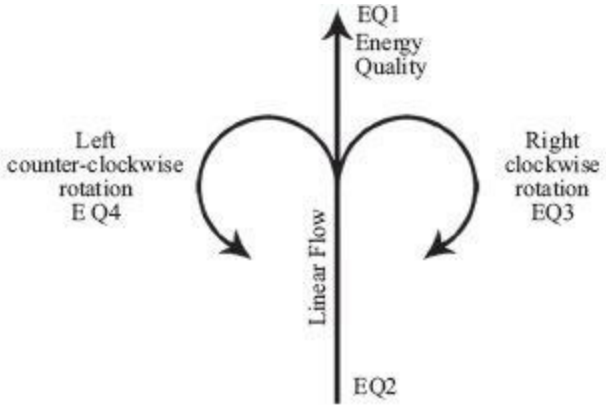


Fig. 19 - Two-dimensional section of BioGeometry Energy Key

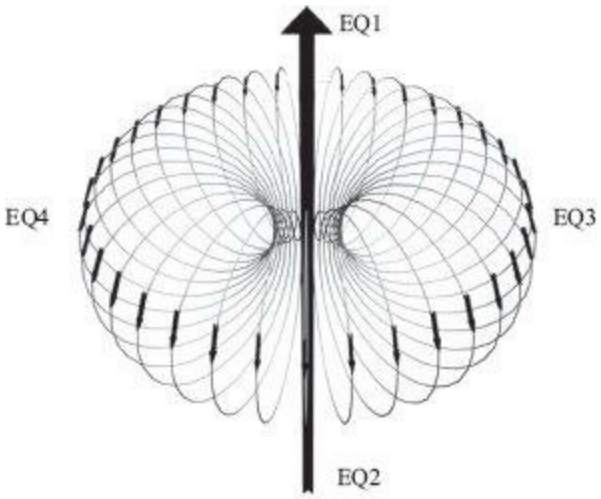


Fig. 20 - Three-dimensional torus shape of the BioGeometry Energy Key

The BioGeometry Energy Key is one of the main concepts that we have developed to analyze the path flow of energy and its influence on the surrounding space. In this key we have identified four different energy qualities generated by a linear flow similar to that of a river dividing land into two separate banks. The first quality (EQ1) is the energy received in front of the motion; the second (EQ2) is the one behind it where the energy is taken. To the right, we have the third quality (EQ3) of energy moving upward from the clockwise spiral, while the fourth quality (EQ4) to the left is a downward flow of energy. This applies to the northern earth hemisphere. We did not do any work in the southern hemisphere, but it could probably have the qualities inverted in accordance with the clockwise and counter-clockwise rotation.

In our energy quality assessment of an area or a site, we place the energy key in a space along the path of the main line of motion and check for the balance of the four qualities around it. To better illustrate this, if we examine the energy flow when the door to a room is placed to one side the Energy Key will show a compression of the secondary motion on that side resulting in an imbalance between the four qualities.

The flow has to be deflected so that the 'key' is repositioned in such a way that balances the four qualities (Fig. 21). Every flow of energy in space creates its own key: light and air through the window, a spotlight, an air-conditioning outlet, as well as the paths of circulation related to the placement of furniture or other objects. The result is a superposition of several Energy Keys that interact to create the final pattern affecting the energy quality of the space.

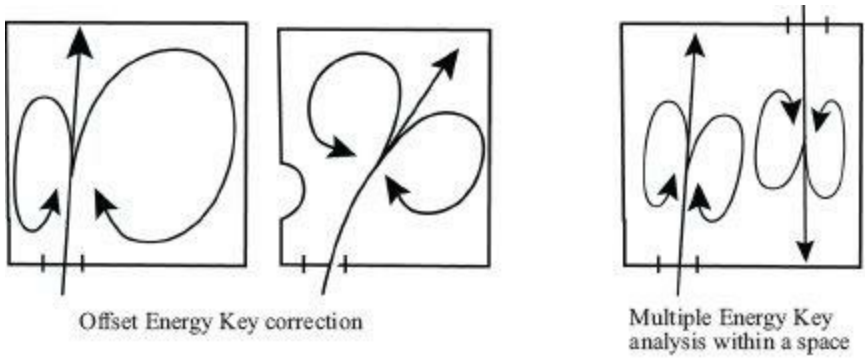


Fig. 21 - Energy Key analysis within a space

The three-dimensional BioGeometry Energy key also plays a major role in the forming process of the smallest particles of matter on a sub-atomic level. In most situations, there exists an infinite number of Energy Keys that cannot easily be balanced, but through the introduction of BG3 we can harmonize the different energy qualities involved.

The Energy Key also illustrates how any linear motion of any type will create secondary forms of motion rotating in opposite directions. These secondary motions are in the form of longitudinal compression waves, which are in essence similar to inaudible sound waves. BioGeometrical shapes are programmed through design to infuse the same Centering quality into this inaudible sound wave pattern. This is one of the main factors in the energy of shape. It is also a main concept in the understanding of the secondary effect of electromagnetic radiation on the environment.

B. The Memory of Lines

The direction of motion of the stroke in forming a line affects the energy quality of the line and its surroundings. This primary motion in the creation of the line and its subtle energy quality effects are imprinted on the memory of the line and are retained in any later configuration of that line. The angle of orientation of the line in relation to the earth's magnetic coordinates also has an effect on the subtle energy quality, of the line and its surroundings.

A line carries encoded information from the first moment of its creation that it retains permanently even when it becomes part of a more complex shape. The point of origin of a line will always harmonically manifest the magnetic ultraviolet subtle energy quality while the end point will always manifest the magnetic infra-red quality. Just before the starting point of the line we get a BG3 point showing the true origin of the line (Fig. 22).

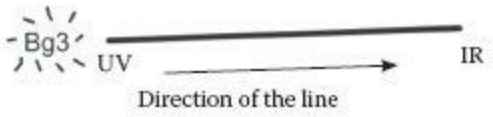


Fig. 22 - Energy analysis of a Line's subtle energy qualities

We will also find a BG3 flow along the straight line; however any curvature or dent in the line will cancel it. This explains the man-made straight paths traveling through the countryside, irrespective of topography, connecting Earth Energy Power Spots.

In application, we will find that a square drawn in one direction will exhibit different energy qualities if the stroke direction of the sides is changed. Therefore, two squares that seem to be a copy of each other can have different energy quality configurations; this also applies to all shapes. *In other words, the direction of the work flow during the building of walls has an effect on the energy quality of the inner space and its outer surroundings.*

C. Physics of Quality of Waves

The interaction between sound waves, in the audible range and beyond it throughout all vibratory ranges and shapes, is an established fact that finds its use in the design of musical instruments and concert halls. Shapes of objects have a forming effect on sound and can stop it, reflect it or give it additional qualities. Sound waves are longitudinal waves in contrast to the transversal waves of electromagnetic radiation. Other kinds of longitudinal waves, such as scalar or torsion waves, as well as waves resulting from eddy currents created by motion, are also affected and formed by shape. The use of shape in architecture to interact with certain compression wave frequencies can be found in many monuments of antiquity. Authors Paul Devreux and Dr. Konstantin Meyl (Fig. 23) have dealt with such phenomena from different perspectives. Devereaux speaks of sound frequencies, while Meyl researches the scalar waves, both of the longitudinal compression type.

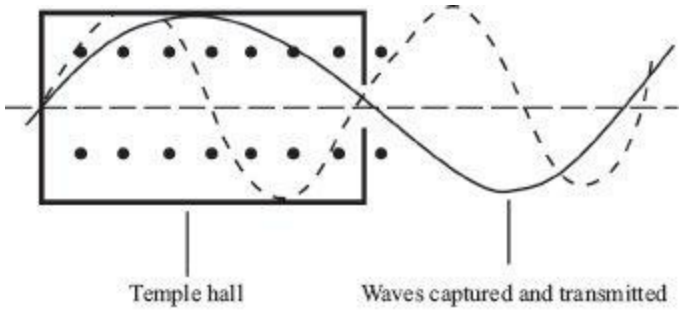


Fig. 23 - Waves captured and transmitted by temple hall

BioGeometry assesses the effect of a wave on the subtle energy system of its surroundings as due to the quality of shape of that wave. T*he relationship of the amplitude (wave height) to the wavelength is the main factor determining the energy quality effect of that wave on its environment. One can also express it as in the form of the angle of intersection of the wave with its axis (Fig. 24).*

All waves have several non-physical higher components such as those on the emotional, mental and spiritual levels, and also transcendental components in other dimensions. By shaping a wave on any level to achieve a proper proportion we can change the quality of its effect on the environment. The harmonizing effect of BioGeometry will achieve that on a higher dimension of the wave thus affecting its quality without any perceivable change on the physical configuration of the wave. This is why BioGeometry has been used effectively in areas of sophisticated technology such as airplanes and intensive care units in hospitals without having any quantitative physical effect on the instrumentation.

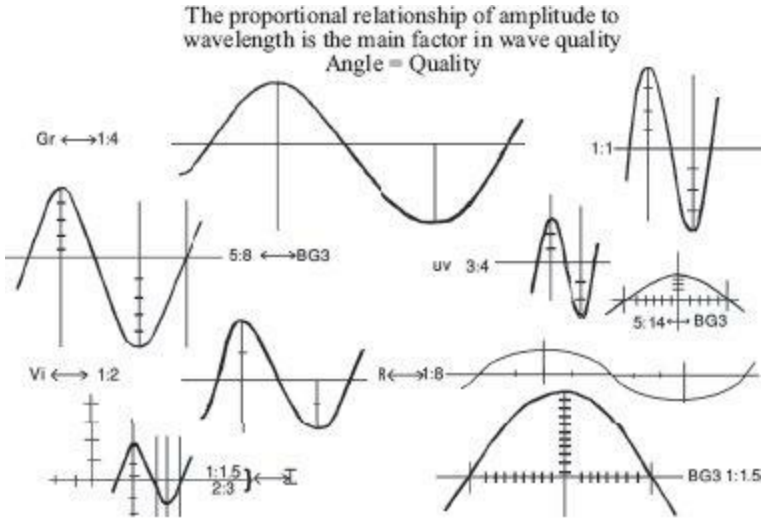


Fig. 24 - Effect of proportion on wave subtle energy quality

In the case of electrosmog, we find that there is a secondary very subtle harmful effect resulting from the harmonic resonance between all electromagnetic sources of radiation as well as the earth radiation grids, which produces a sort of a minute background echo, in which the third (EQ3/clockwise) and fourth (EQ4/counter-clockwise) qualities of the BioGeometry Energy Key play a major role. Swisscom, the main Swiss cellular provider, has publically supported this phenomenon that we were the first to discover and use successfully in reducing the effects of electrosmog on residents of two Swiss villages.

In all types of waves, transversal (electromagnetic) or longitudinal waves (sound, scalar, torsion), one can change the quality of effect on the environment by changing the shape of the wave, achieving the best harmonizing effect with the use of BG3 proportions. *This can be done on the wave itself* or *on any of its subtle energy levels* (Fig. 25).

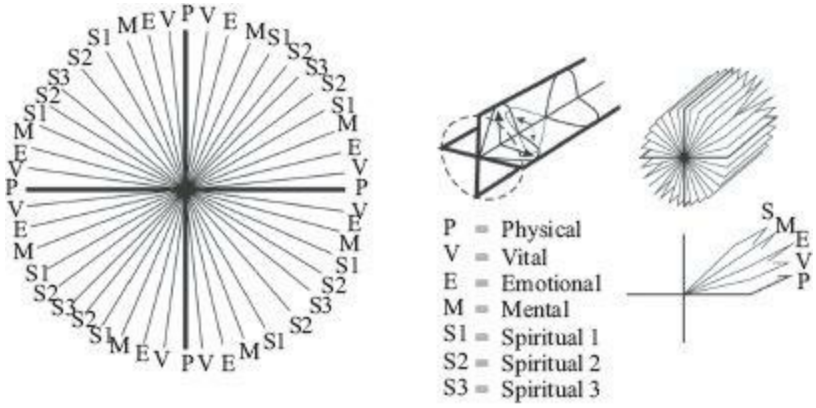


Fig. 25 - Cross section of wave showing the different planes

D. Higher Dimensions of Waves

In the orthogonal model of waves, the two wave components move on two planes, electric and magnetic, perpendicular to each other. In BioGeometry we were able to detect other subtle energy planes, through their energy qualities, that are found between the electrical and magnetic planes. These planes are of the longitudinal (compression, torsion) wave type and are moving at much higher speeds than the speed of light of the electric and magnetic planes in which they are embedded. The middle plane, bisecting the perpendicular ones at 45 degrees, is the most important one as it has the BG3 One Harmonizing Energy Quality, but in this case it is in the form of two perpendicular spiritual planes. We will find the vitality, emotional and mental

planes at both ends at different angles starting from the two physical, electric and magnetic planes towards the central spiritual plane (Fig. 26).
In physical objects, however, we find the planes within each other reflecting the periphery towards the center where the spiritual level is found, and also extending outside it towards a spiritual envelope outside the body of the object. In BioGeometry design we can achieve resonance with the different planes of nature through their specific angles or geometric shapes.

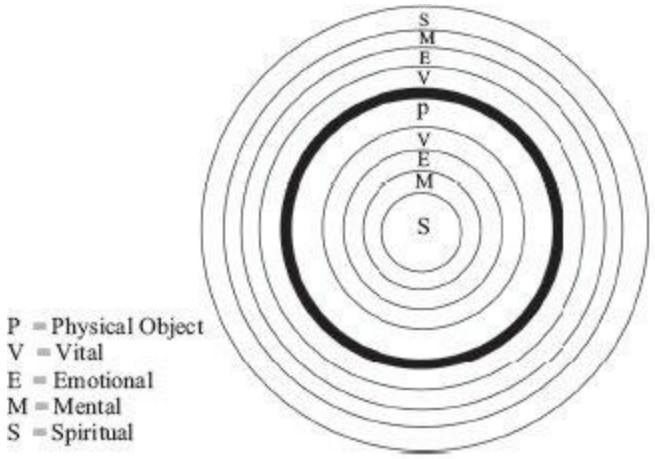


Fig. 26 - Subtle energy planes in and around objects

E. Geometry of The Planes

In BioGeometry we have identified certain geometrical shapes that are in a harmonic resonant relationship with the energy qualities of the different planes of nature (Fig. 27). These shapes can be used as archetypal concepts to be incorporated in the general design to 'fine- tune' the subtle energy quality of the building or shape of an object with the plane (or sub-plane) of nature related to the function.

- Spherical shapes resonate with the physical plane.
- Downward-pointed objects resonate with the vitality level.
- The hemisphere/dome resonates with the emotional plane.
- The flat disks resonate with the mental plane.
- The inverted hemisphere resonates with the causal first spiritual level.
- Upward-pointing objects resonate with the middle spiritual level.
- The center is in resonance with the higher spiritual plane.

Based on the above harmonic categorization of shapes, we have developed special pendulum devices and scepters to detect and interact with the different planes of nature (Fig. 28).

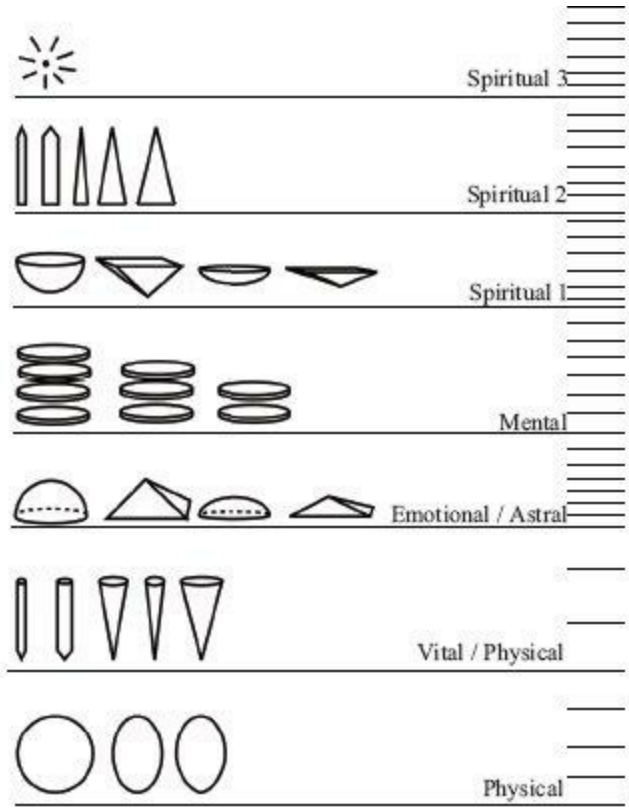


Fig. 27 - Geometrical resonance with the Planes of Nature

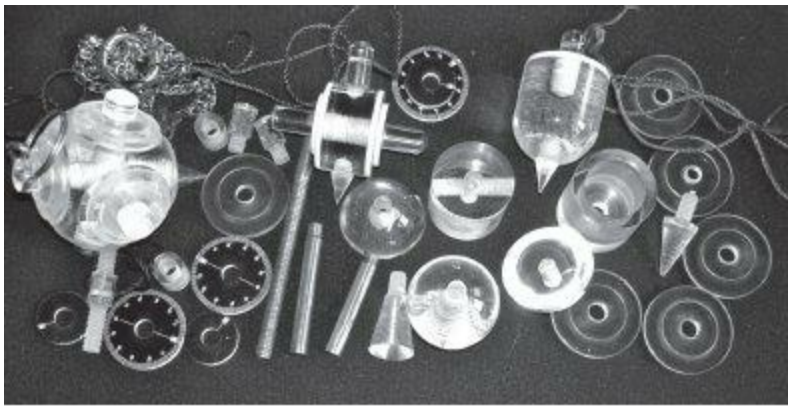


Fig. 28 - Pendulum set for research in Planes of Nature

6) The BioGeometry Qualitative Scaling System

The BioGeometry Qualitative Scaling System is purely qualitative in the sense that it identifies the BG3 rings and points created by the design elements in their surroundings (Fig. 29).

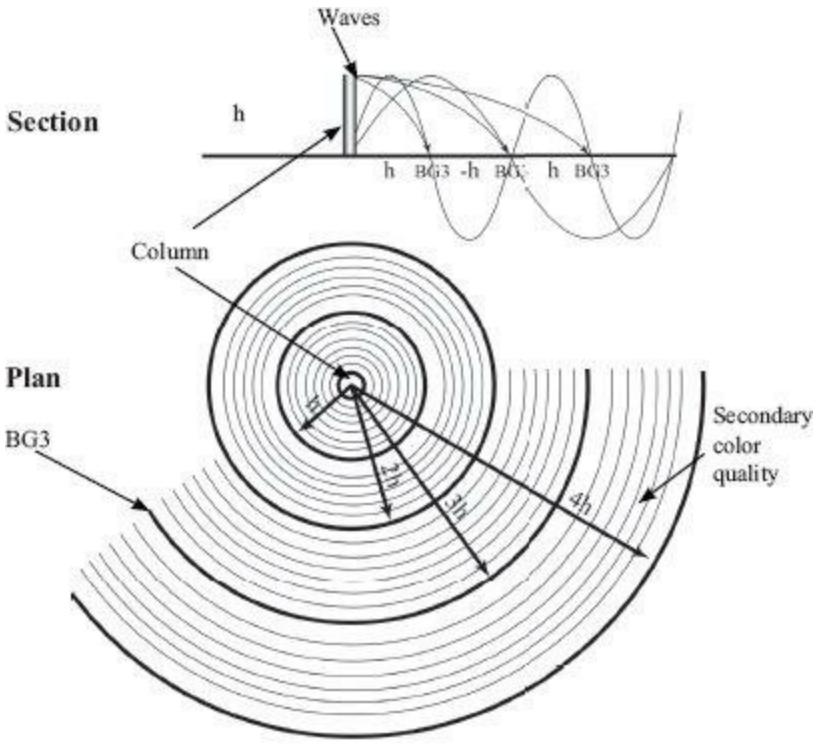


Fig. 29 - BioGeometry Qualitative Scaling system showing Gold Zones (BG3) around vertical objects

All objects interact with the surrounding waves. As a metal pole in the form of an antenna tends to interact through resonance with electromagnetic wavelengths equal to its height (as well as harmonic proportions of it), so will a pole of any material interact with longitudinal waves (scalar, torsion …etc.) producing concentric rings of BG3 energy quality with a radius equal to its height and multiples of it. There will also be a secondary group of smaller concentric rings within the primary ones with radii multiples of the diameter of the pole (Fig. 29). If we take a cylinder, this concentric ring phenomenon will repeat itself around it and inside it. The study of the interaction between shapes and waves, especially the longitudinal ones, is an important factor in design, as the BG3 zones created within and around the objects can be used in the distribution of functions in the design from the subtle energy quality point of view (Fig. 30).

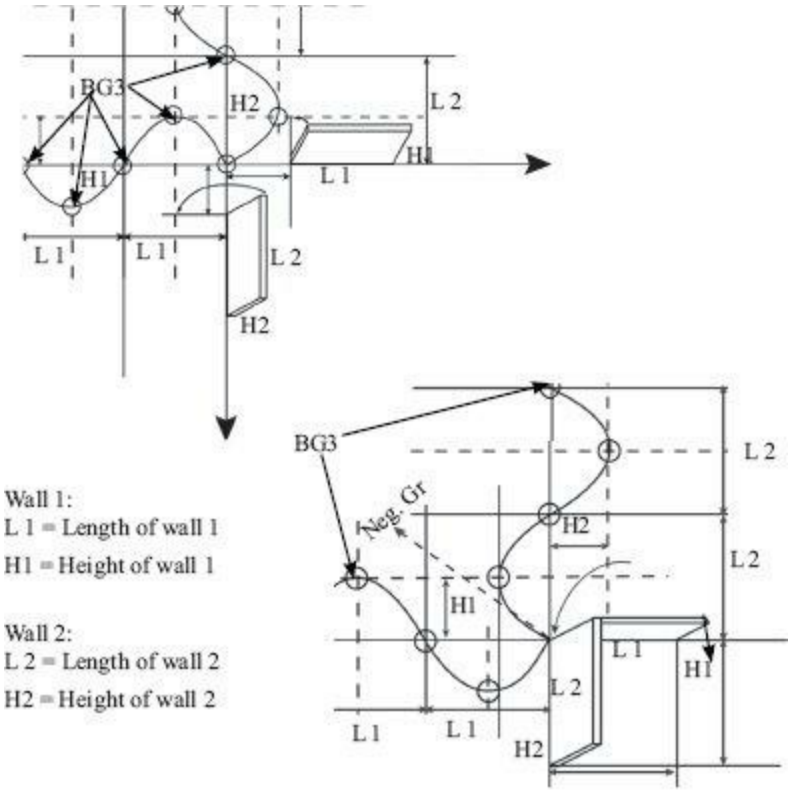


Fig. 30 - Qualitative Scaling of walls

The use of Qualitative Scaling with the dimensioning of BioGeometry Harmonics stretches the BG3 energy quality to fill the whole area between the concentric BG3 circles. The same Centering effect happens within and around all shapes when BioGeometry Qualitative Scaling is combined with BG Harmonics to produce BG3 Qualitative Centering.

7) The BioGeometry Archetypal Design Codes

This is a very special field of design that was widely used in Ancient Egypt. It could change the whole concept of art and design and give it a new empowering role in all fields of life. *Archetypes in this context are the laws of life on all its levels manifested as the subtle energy patterns that form energy templates, which support the physical shape energy functions of all living systems.* The shapes of objects as we see them are therefore an expression of all the energy principles within them.

The Ancient Egyptians had deep knowledge of this archetypal dimension and used it to empower and harmonize the physical world. The stylized

drawings, reliefs, sculptures and monuments had the function of bringing energy balance and harmony to all living systems (Fig. 31).

Fig. 31 -Ancient Egyptian wall relief

In our BioGeometry work we have done research in which resonance with the archetype was used to harmonize the human energy system and reduce environmental stress (Fig. 32). An archetypal grid with certain angles and proportions forms the pattern on which the designs are based. This grid is then superimposed on the natural Earth Energy Grids to form the design axes of buildings.

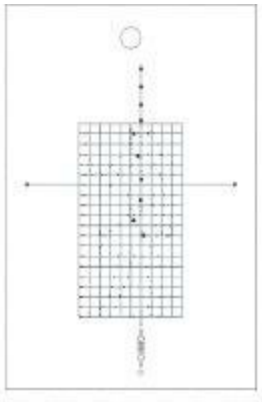


Fig. 32 - BioGeometry two-dimensional Archetypal Grid

The archetypal 2D-code of the human body represents the complete multi-level pattern (physical, vitality, emotional, mental and spiritual) from which

every aspect is manifested in the individualized physical form. We use geometric configurations of the subtle energy quality archetype of the human system in the form of measuring rulers to evaluate the energy quality on the different levels of the energy system (Fig. 32). In the illustration (Fig. 33) we see a BioGeometry Archetypal BG3 Ruler for the evaluation of the One subtle energy quality.

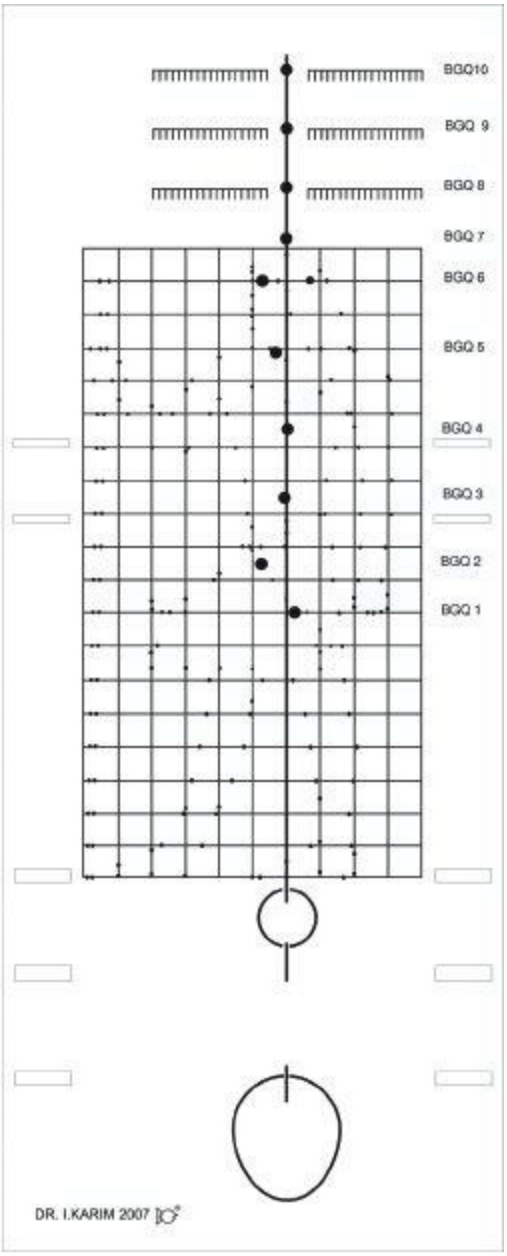


Fig. 33 - BioGeometry Archetypal BG3 Ruler

8) BioGeometry Material Energy Balancing

This is a methodology of changing the subtle energy quality of any material to manifest BG3 quality, thus introducing harmony in its environment. A very small sample of the material is placed in a geometrically polarized disk (Fig. 34) in such a way that the angular relationship between the sample and the polarization introduces BG3 into the material sample. Consequently, the balanced sample will, through resonance, correct the source material and infuse it with the BG3 harmonizing energy quality. In some cases we use a 3D spherical form of the Material Balancing Disc.

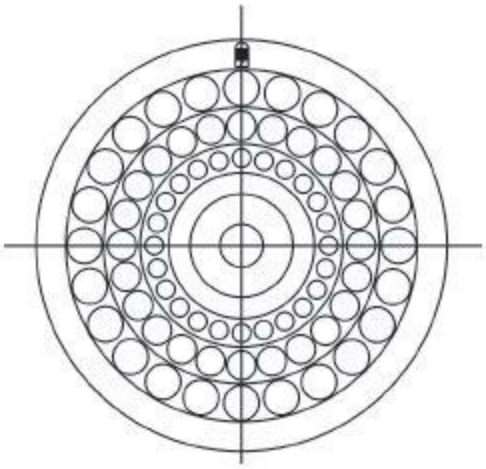


Fig. 34 - BioGeometry Material Balancing Wheel

9) BioSignatures

(see The Process of BioSignatures)

BioSignatures are linear diagrams (Fig. 35) that are in resonance with the energy patterns of energy flow related to the shape of the internal body organs (just as the meridians of Chinese acupuncture relate to the overall shape of the body).
They are used to bring harmony into the subtle energy quality of the organ functions (Fig. 36). *They work mainly in harmonizing the quality in the exchange of energy between the organs and the environment*, and are therefore a form of *environmental qualitative subtle energy balance*. They balance the body's organ energy functions and as such are a good support for

all types of treatment. *They are not in themselves a form of medical treatment.*

BioSignatures can be used as patterns in all types of design and can be added to certain BioGeometry shapes (Fig. 37).

Fig. 35 -BioSignature resonant linear relationship with organ (heart)

Fig. 36 - BioSignature pendant

Fig. 37 - Sample of using BioSignature in architectural designs

Conclusion

The BioGeometry Design Language takes us through the Physics of Quality into the invisible dimension of subtle energy qualities with which all living systems interact. It addresses the interconnectivity and unity of everything in the universe in the form of a cosmic symphony in which zero and infinity are two faces of one coin, where infinity exists in the zero and vice versa.

The BioGeometry Design Language allows designers to take an active part as agents of harmony in this universal symphony. Our minds are synchronized with the cosmic mind from which everything is created. We participate and get to know the beauty of the universal mind, and with the BioGeometry Design Language we can help modern technology to play its role in this universal harmony. *As a result, the designer is transformed, the object is transformed, and the environment is transformed*. A new harmony in the quality of life is achieved.

As BioGeometry Design Language becomes an accepted school in Modern Architecture, many architects and designers without much interest or knowledge of its origin will use its principles as tools to achieve the goal of harmonizing a polluted electrosmog environment, and will thus act as a powerful transforming force in the subconscious levels of the individual and society as a whole.

Door with BioSignature design

The Process of Creating BioSignatures

BioSignatures are a set of linear diagrams that enter into resonance with the patterns of energy flow in bodily organs. They are conceptually similar to the meridians of Chinese acupuncture, except that BioSignatures relate to the shape of the organ while the meridians are related to the overall shape of the body. The organ subtle energy patterns are accessed through BioSignatures placed externally in the body's energy fields to create connection through Resonance of Shape. *The term* 'BioSignature' *was coined by Dr. Ibrahim Karim in the 1970's. The set of BioSignatures are registered and any unauthorized use is illegal as it infringes on intellectual & property rights.*

BioGeometry® shapes and BioSignatures are to be distinguished from any form of symbolism. As we know, symbols are as ancient as humanity; they are powerful tools of communicating ideas. There are many schools of symbolism on levels ranging from religious and alternative beliefs to advertising and commercial manipulation.

In BioGeometry shapes and BioSignatures, we are speaking about something completely different; we are speaking about a design language. We are trying to read the energy language of nature that manifests itself in the shapes that we see. We are not creating them; we are discovering them. There is no symbolic value or meaning in the shapes of BioSignatures. They are functional like the integrated circuits on computer chips, and are not dependent on any belief or suggestibility (placebo effect) on the part of the user, as proved by research results from different universities and research institutions. Experiments conducted at the National Research Center in Egypt on bacteria resulted in a series of patents and awards (1992). Numerous other research projects on poultry and plants were carried out at universities in Egypt (Ain Shams University) and Holland (Wageningen University). The most recent documented applications were the electrosmog projects in Switzerland, in particular the one in the Swiss area of Hirschberg in Appenzell, which was carried out in collaboration with Swiss National Television that documented the process from day one and aired the very positive results in an exclusive documentary that highlighted the positive responses of the farmers concerning their cows. These results where

autosuggestion (placebo effect) has no place, show evidence of the fact that BioSignatures do not depend on belief.

Interchangeability between Scales

Before going into how to use BioSignatures, it is important to explain the process Dr. Karim went through to discover them.

We know from the concept of interchangeability between scales, (please refer to the paper, 'The Physics of Quality'), that we can for example, translate a color, such as red into a musical note ('C' or 'Do'). They are all energy quality scales expressing the same thing in different languages. This means that the laws of one would apply to the other.

With musical notes, for example, we have the laws of resonance: In musical string instruments, a string will enter into resonance with any other string half or double its length giving the same note on a different string length. The notes will repeat themselves on every eighth string, giving the phenomenon we know as octaves. If the energy qualities of sound, color and angles (angles being components of shape), are interchangeable, then there is reson-ance between similar colors, similar shapes and similar patterns of motion. We shall show how we can make use of this resonance of shape and discover new dimensions in the energy patterns of the functions of organs in energy systems.

Body Energy Anatomy

We have a central energy system, and several peripheral energy systems superimposed. There is always interaction between the central energy and the peripheral energy. In the Chinese tradition, for example, the acupuncture points and meridians are part of the peripheral energy system. This peripheral energy system includes an energy boundary around the shape of our body, similar to that found on the periphery of any geometric shape (The earth and its atmosphere for example). The shape of the body has a sort of energy storage layer, which is the fat on the skin. The fat layer has more than an insulation function that protects the central energy from external factors; it has the ability to accumulate and store information.

There must be some form of communication between the internal energy system and the outside world. The internal energy system uses the senses and the energy centers (chakras) to interact directly with all levels of energy in the environment. In BioGeometry the chakras are in resonant manifestation with the shape of the human body. The chakras can therefore be activated through certain postures of the body or by placing geometric shapes directly on them. The peripheral energy systems in turn, are not completely closed to the outside either; they are in constant exchange of information with the surrounding energy environment.

As we are an open energy system, we must have 'windows': Points that bring information from the external surrounding to the internal system, so that it can adapt it to the outside environment. These 'windows' (commonly known as acupuncture points) are traditionally manipulated to affect the energy flow inside the body organs. However, from a BioGeometry perspective, the role of these 'windows' is much more significant; *they are the body's sensors to the outside environment*. Instead of using those 'windows' only to look inside the house, we discovered that, from the body's point of view, those 'windows' primary function is to look outside. Every organ sends parts of its energy into the peripheral system (windows) to get information about what is happening outside and adapts accordingly.

The peripheral energy systems include several superimposed levels (vital, emotional, mental… etc.) beyond the physical body in a sort of energy field or aura. It is through this system that we have an information exchange layer between the outside and inside of the body that we can use to affect the functions of the body organs.

Similar Shapes Enter into Resonance

After studying the body from the physiological orthodox point of view, the Chinese system of acupuncture and its subtle anatomy of meridians, the Indian system with its energy centers and the energy paths joining them, and the Ancient Egyptian acupuncture and amulet placements on body points: *we discovered new BioGeometry resonant relationships. Those relationships are on multiple levels in the organs of our body and are expressed as linear energy patterns of organ functions that we call 'BioSignatures'.*

If we put a simple shape into the information exchange layer around the

physical body, we will get resonance with corresponding energy patterns of any similar shape inside the body with the exact same geometric configuration.

***I**n BioGeometry we have established that as musical notes enter into resonance, so do similar shapes.* If my heart has a problem and I bring an anatomy diagram or 3D model of the heart and place it within my energy field, it will enter into resonance with the heart

This model is neutral, however, when it is in my energy field, then it will enter into resonance with similarly shaped organs in my body. *In other words, I can put a model of an organ in resonance with an organ.* With this heart model we can only correct the peripheral energy of shape going on the periphery of the organ. We did not take into consideration all of its internal functions. If we use an anatomy diagram with internal cross sections we can then trace the energy patterns of the internal sections of the organ (Fig. 1).

Fig. 1 -BioSignature resonant linear relationship with organ (heart)

If, for example, we look at an organ, it can have ten functions, which means that there are at least ten patterns of motion of energy inside it that are superimposed. Each pattern is on a different layer, with a different frequency. Every pattern takes a certain shape because it performs a different function. They will all be related to the main shape with variations associated to the different internal patterns within the organ. They are always of linear open-ended design to allow the energy to flow through them and be shaped according to their pattern. All those patterns interact at the end and form an energy grid. So, instead of entering into resonance with only the primary shape, we go directly to each individual energy pattern. This process can go to the smallest detail down to the cellular level.

We now have our BioSignatures which, when placed within the peripheral energy, conduct the energy into their linear shape to form an energy pattern of the same shape that enters into resonance with the

corresponding body function. If the BioSignature produces the correct pattern, it will enter into resonance with and therefore amplify the energy of that corresponding organ function. This could instantaneously correct the flow of energy and balance the organ function on the energy level.

It is important to note that we are producing energy balance of the organ function. We are not speaking of the healing of the organ on a physical level. BioSignatures have an energy balancing effect which supports other forms of orthodox medical treatments or alternative remedies. Sometimes when the energy is properly balanced, the body can produce its own healing, which can be instantaneous. This should not however delude us into thinking that this is a form of alternative medical treatment. It is still a form of *energy balancing* that is closer to an environmental 'tuning' activity that supports health. It is rather like the tuning of a musical instrument. When we look at it in this context, it is easy to understand the simple scientific concept of BioSignatures.

Using BioSignatures

In order to get good results using BioSignatures, it is important that the practitioner has a thorough knowledge of all types of energy flow in the body, as found in the Chinese acupuncture meridians, the Indian chakra energy system, and other forms of alternative energy healing. To illustrate the importance of this multi-disciplinary knowledge, we can take the example of a professional tennis player suffering from a 'tennis-elbow', which would probably mean the end of his career. He will go through extensive medical treatments using drugs and prolonged physiotherapy which usually yields temporary results and the problem will recur under physical stress. In Chinese medicine, we know that the colon and the elbow are interrelated, because the colon meridian runs through the outer part of the arm over the acupuncture point causing the pain in the elbow. In order to properly balance the energy of that area, we will need to use BioSignatures for that particular muscle, the colon and any other interrelated functions. There is a connection referred to as 'mother and child' relationship between the lung and colon meridians, so in order to achieve good results, we will have to add the relevant lung BioSignatures as well.

Sometimes we find that the person needs BioSignatures that seem totally

unrelated to his complaints. This could be for several reasons: One would be that the person might have an undetected problem in the organ function, which could be on the energy level and has not yet manifested on the physical level. Another reason could be due to resonance of shape between organs or organ details. Research has shown that there is resonance between the organs based on the similarity of their shapes. For example, the ear and kidney have similar shapes, which will make their corresponding BioSignatures resonate with both organs.

While working with BioSignatures, we found that sometimes a BioSignature for a specific energy function also works for something else. We had such an experience when working with the research on Hepatitis C Virus at the Pharmaceutical department of El—Azhar University in Cairo. We used BioSignatures targeting the immune system and liver. The liver functions improved slightly, but when we went into the details of the subtle energy analysis of the liver cells, we found that something was still missing. We needed to correct the inside of the cell and surprisingly found that one of the BioSignatures for the heart corrected the problem. This BioSignature worked by resonance with something inside the liver cells, or other undiscovered relationships. Extensive research is needed as this is a developing science and each case is a new challenge.

BioSignature Energy Flow

It is possible to get the energy to flow through the BioSignature through the use of a battery or magnet to introduce a weak current into the BioSignature. However, it is better to avoid that because electricity and magnetism have certain wave components that are harmful to our biological systems. It is much safer to let the minute level of subtle energy from the body's own electromagnetic field, found in the peripheral energy layer around the body, flow through the linear shape of the BioSignatures to activate them. This will happen automatically when any linear object is put in an energy field. Using the body's own energy is the safest way, as electromagnetic currents have both the vertical and horizontal wave components that are harmful to our body functions.

We have done extensive research on several types of biofeedback, diagnostic and treatment electronic devices, and found that they all contain

some form of vertical (electric) wave components that should be cancelled. In research in this field, we have filed for a joint patent (with Vince Kubilius in L.A.) for the elimination of the harmful side effects of electrical devices, using BioGeometry. A similar joint patent (with Dr. Toby Watkinson in L.A.) was filed for the elimination of the vertical wave forms found in copper coils used in energy balancing for health. Our research has proven that intensive care units could benefit from the reduction of harmful side effects of electromagnetic fields through the use of BioGeometry.

BioSignature Chip

Using the same miniaturizing concept used in producing integrated circuits on computer chips, we were able to put from 400 to 500 of these BioSignatures on one chip (fig. 2).

Fig. 2 -First generation BioSignatures chip

These diagrams represent subtle energy interactions. Having these energy circuits together on one chip poses no problem as they exist in our body together anyway. This fact gives BioSignatures an edge as we are not faced with the problem of drug interactions. BioSignatures work more like a computer chip, where all the integrated circuits are there and when a certain function is needed it will automatically interact with it.

The reason we made those chips with so many BioSignatures, is that, with all our current knowledge, we actually do not really know everything about the workings of energy systems of the body, their paths and interrelations. To have as many as possible of the proper energy BioSignatures will always be good. So the body's own wisdom can access whatever it needs through resonance.

In our research we experimented with reducing the BioSignatures in size

down to just a point. There was absolutely no visible geometrical element left in there, only the energy of the shapes. We tested the effect of this dot and found that all the functions in it were still present and fully active. This is very similar to Homeopathy were the solution goes through several dilutions until no trace of the original matter is left, but the energy is still very potent.

An important point that we must keep in mind is that in making a general chip there are inevitable choices about which BioSignatures to include. In some cases a special BioSignature might not be on the chip, or a BioNumeral variation of the BioSignature would be needed. It is therefore often necessary to measure for optimum efficiency and engrave additional BioSignatures on the chip. This can only be done by trained and licensed BioSignature practitioners.

Case Study

Let us look at a typical case. The first thing we need to do is to check the body's energy field. Energy flows like electric circuits where everything is connected and a disturbance in the flow might short-circuit the whole system. This is very much like a Christmas tree where one faulty bulb dims the whole tree; a minor adjustment is often the only thing needed to instantly light up the tree! In our case, if we manage to get the right combination of BioSignatures, we can get what seem to be miraculous results.

Taking the stomach as an example, we know that the stomach has many functions, each having its own energy pattern and related BioSignature (Fig. 3). We usually start with the basic stomach BioSignature and then measure to find the additional ones needed for that particular case.

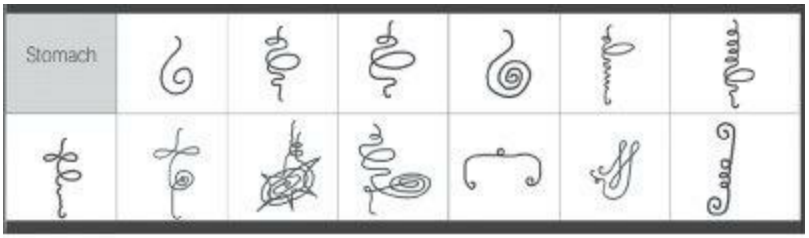


Fig. 3 - Samples of BioSignatures

There are some BioSignatures that we found very helpful as a basic selection. The stomach BioSignatures are very useful, because the stomach meridian

runs through the whole body. There is a saying in Arab traditional medicine that “The stomach is the house of ailments.” The BioSignature for the ‘spine and nervous system’ will help with back problems and is also good for the central nervous system and immunity related to the spine. The BioSignature for relaxation and the one that deals with depression work on the emotional level, and balance the disturbed emotional and mental states associated with many diseases. Some BioSignatures, such as those for the liver, thymus and general immunity, are essential and therefore always included.

The Personal Diagram is not BioSignature

As previously mentioned, BioSignatures are to be distinguished from other forms of symbols and designs used in different belief systems or personal diagrams visualized by healers. BioSignatures work on the basis of resonance, and are not dependent on the practitioner’s visualization, but on his expertise in choosing the right combination, based on his measurements and knowledge of the body’s energy anatomy. The BioSignature data base is a result of 30 years of research and testing of each and every signature.

A BioSignature Shape is very sensitive to minute changes in its pattern. If drawn in a different manner or from a different starting point, the shapes will not produce the desired subtle energy quality. They could retain their general visual shape, but lose their potency. The shaping of the starting and ending points of the BioSignature is a very delicate matter, especially the direction of the curvature of the tips from which the energy flows in and out. A BioSignature will accept a small change in proportion without changing the flow, as long as the pattern is not distorted.

It is important, however, to remember that the BioSignatures work by resonance and therefore *there can be no harmful BioSignature.*

If the drawing is not accurate it will simply not resonate and be ineffective.

The BioSignature system has practical applications in architecture and industrial design, as well as being an environmental subtle energy balancing system that supports all types of alternative or traditional treatment (Fig. 4).

Fig. 4 - Example showing the use of BioSignatures in architectural design

BioGeometry Knowledge & Applications

As with any field of science, it is important to distinguish between what is background knowledge and what is ready for practical application. Both are equally important and are two faces of the same coin. Scientific knowledge enriches our understanding of the world we live in, and expands our horizons for further scientific investigation and advancement. With proper applied testing and research, this body of knowledge yields practical applications and solutions to existing problems and challenges. This distinction is critical in striking the right balance between scientific integrity and commercial application, to allow for the incubation of new scientific knowledge so that it remains intact under the pressures of the marketplace. With the science of BioGeometry, we have taken the utmost care to make clear, both to others and ourselves, the distinction between what we call "BioGeometry knowledge" and "applied BioGeometry." We offer both areas of BioGeometry in the BioGeometry Personal Development Curriculum in an effort to share both the valuable awareness and practical applications associated with BioGeometry. However, in the course of our BioGeometry consulting service, we only offer our clients BioGeometry environmental energy quality balancing applications.

Even after 30 years of existence, the science of BioGeometry is still in its infancy, and its potential for positively impacting our lives far exceeds the potential of current practical applications. BioGeometry knowledge is much broader and more holistic than applied BioGeometry. It is an investigation of the role of the BG3 centering energy-quality in all facets of life, from understanding our past to increasing our awareness of the present, as well as for the realization of the role and broader implications of that knowledge with regards to our humanity and future.

It is a clear fact that we now live in a world that is markedly different than any that life on this planet has ever witnessed. With the advent of the Information Age and the proliferation of electromagnetic communication waves, we now live in the reality of an artificial electromagnetic environment, distinct from, but interactive with, natural electromagnetic waves, such as sunlight and the bioelectrical impulses of our nervous

systems. We have saturated our atmosphere with electromagnetic waves on a scale never seen before, and as we march boldly into the future, it is important that we humanize this modern technology and put not only our health, but also our well-being, as part of the formula for technological advancement. We are by no means advocating “turning off the switch” and going back to technological darkness, because the infrastructure of our civilization would collapse. Rather, we believe that it is of utmost importance to place the effect on our health and well-being as the main criterion for the evaluation of any form of technology, before rolling it out into the marketplace.

It is for these reasons that we have classified applied BioGeometry as an environmental science and focused our applied BioGeometry research on harmonizing and humanizing our electromagnetic environment in terms of both electromagnetic fields and geopathic stress. Applied BioGeometry environmental energy quality balancing solutions transform this environment to be a positive force on our subtle energy systems and well-being, as supported by objective mainstream indicators of that effect through scientific research. This is showcased in our work over the past few years with the Swiss government and telecom provider Swisscom in the BioGeometry environmental harmonization of the Swiss rural towns of Hemberg and Hirschberg. With the success of these projects we received official recognition from the Swiss government, as well as extensive international media coverage, including documentaries on our work in Hemberg and Hirschberg 2 documentaries Swiss national television SF1. Other than in telecommunication, BioGeometry solutions have been applied to residences and residential compounds, commercial spaces, aircraft and ships, poultry and livestock projects, agricultural land and, of course, electrical installations in general.

It is important to note that BioGeometry is not a form of medical treatment or diagnosis. We have preliminary medical research that indicates that there is significant potential for BioGeometry medical applications, and that will hopefully be achieved through proper research and channels. The impact of our environment on our health and well-being is an established fact, and the two are closely intertwined. The cases of treatment associated with BioGeometry solutions, which have been covered by regional and international media, are not a direct result of the BioGeometry effect, but rather they are the result of the human body healing itself more efficiently in

a less stressful and more harmonious BioGeometry enhanced environment. This environmental perspective is a main pillar of our research work and entails that we focus not only on human beings, but also on plants, animals and any other living systems in researching the BioGeometry energy-quality balancing effect. This allows us to mitigate the placebo effect (psycho-somatic or auto-suggestive healing) by monitoring the results on the ecology as well. For example, in the Swiss projects mentioned above, we not only surveyed the effect on the residents, but also focused on the changes with livestock (e.g. lower mortality and miscarriage rates, increased milk production, improved skin condition) to support our research.

Another important area of applied BioGeometry focuses on water vitality, both inside and outside our bodies. Electromagnetic and geopathic stress, as well as additives and treatment methods, significantly impact the vitality of our water. Applying BioGeometry solutions to our environment and water sources restores the subtle energy-quality balance of water. This transformation was elegantly captured in our water crystal photography research with Dr. Masaru Emoto, author of international bestseller “The Message From Water”. The research showed the erratic and broken water crystals of regular tap water, which was then BioGeometry energy-quality balanced. This process resulted in the transformation of the water crystals to become beautifully symmetrical and complete water crystals. We are currently working with a leading Egyptian company to introduce BioGeometry energy-quality balanced glass-bottled water.

Applied BioGeometry uses the energy principles of shape to connect an energy system to the energy-quality of its energetic center(s), so as to achieve balance among the different energy-qualities (biological harmonics of energy) within it, with objective indicators of that effect. Shaping space is a functional energy-forming process, and not just an aesthetic, symbolic or thematic one. This is the fundamental premise behind the natural forming process that is the essence of the infinite number of shapes in nature. So, what then, is architecture, if not the forming of space and the shaping of energy? This realization is what prompted Dr. Karim to begin his research over three decades ago into the energy principles of shape and their interaction with both the environment and its inhabitants. The origin of architecture is intertwined with the use of buildings to interact with the BG3 energy-quality of the energetic centers of the Earth and sky. Many people in Egypt saw Dr. Karim’s shift of resources, from an established and thriving

architecture practice, to focus on BioGeometry, as an abandonment of the field. However, it was his, and our, firm belief that the integration of the science of BioGeometry into the canons of architecture would serve the field in a much greater respect than any individual practice ever could. Consequently, Dr. Karim has made it a priority to establish a working design protocol based on BioGeometry principles, and to integrate this knowledge into the foundations of architectural education. Over the past decade, we have supervised numerous Masters and PhD degrees in architecture, focusing on BioGeometry design principles, in collaboration with distinguished Egyptian universities. BioGeometry architecture and design consulting is also an important part of our consulting services portfolio.

As the science of BioGeometry continues to evolve, we will undoubtedly gain more knowledge of ourselves and of our world, and hopefully expand the practical applications for a brighter and more humane future. Below are some BioGeometry research project highlights. For more information on BioGeometry research, educational programs, and consulting services please visit the official BioGeometry website at www.BioGeometry.com

Sayed I. Karim
BioGeometry Projects Director

BioGeometry Projects Highlights

Aircraft Environmental Harmonization

BioGeometry energy quality balancing solutions have been implemented on a number of private aircrafts, to harmonize the increased level of environmental stress on the body during air travel. As a measure of environmental stress on the body, biofeedback measurements of the body's electrical energy functions from the acupuncture / reflexology points, conducted on a crew of one of the larger 747 aircrafts, showed significantly more balanced and less erratic readings, even when compared to the "milder" ground conditions outside the aircraft.

Environmental Harmonization: Hirschberg (Switzerland, 2005)

Following the success of the first Swiss BioGeometry project in Hemberg, Dr. Karim was commissioned by the local government of the Swiss town of Hirschberg to implement a similar solution there. The project was documented by Swiss TV Channel SF1, and the documentary aired on prime time TV in Switzerland. It showed how BioGeometry was successful in alleviating electro-sensitivity ailments among the residents, as well as increasing overall quality of life and well-being indicators. The overwhelming positive impact of BioGeometry energy-quality balancing effect on the health of the livestock in the area, which are an important economic factor to this rural town, was especially impressive. The documentary referred to the successful project as "Electrosmog: The Miracle of Hirschberg."

Electrosmog Harmonization: Hemberg (Switzerland, 2004)

A pilot research project under the patronage of the Swiss Mediation Authority for Mobile Communication and Environment (MAMCE), and in collaboration with leading telecom provider SwissCom, implemented BioGeometry energy-quality balancing to alleviate symptoms of electro-sensitivity in the rural town of Hemberg. BioGeometry was successful in alleviating electro-sensitivity ailments among the residents, and increasing overall quality-of-life and wellbeing indicators, as well as positively impacting the overall ecology of the area. Media coverage, supported by official releases by MAMCE and an independent study of the project, dubbed

the results “The Miracle of Hemberg.” In a Swiss television interview with the mayor and residents of Hemberg almost two years later, the sustained energy-quality balancing effect of BioGeometry was confirmed.

Poultry Project: (Egypt, 2000)

A research study carried out by Dr. A Hussein of Suez Canal University and the Ministry of Agriculture implemented BioGeometry energy-balancing solutions in poultry breeding. The published results showed that BioGeometry was effective in significantly increasing the growth and quality of the chicken, as well as lowering the mortality rate.

National Research Center: (Egypt, 1998)

Preliminary laboratory studies at the Egyptian National Research Center showed that BioGeometry shapes “have a positive effect on biological functions”. This paved the way for the first Egyptian patent in BioGeometry at the Ministry of Scientific Research.

Agriculture: (Holland, 1998)

A three-year research project at the University of Wageningen, Holland, by Professor Peter Mols, on the use of BioGeometry in organic apple agriculture, concluded that BioGeometry was effective in eliminating certain parasites and significantly increasing agricultural yield.

National Hepatitis Virus C Project: (Egypt, 1997)

Dr. Taha Khalifa, the Dean of the Pharmacology Department at Al-Azhar University, Egypt, announced on Egyptian Satellite TV, that the preliminary phase of the comparative National Virus C Project carried out by his College showed that BioGeometry energy-balancing obtained the best results among all other pharmaceutical and alternative remedies.

Sayed I. Karim
BioGeometry Projects Director

Acknowledgement by Ruth Schaad

Author of 'The Miracle of Hemberg'

- After a long dark night, the light rose over the residents of Hemberg, through the harmonizing of the environment by Dr. Ibrahim Karim.
- The church, in which the cellular communication antenna was installed, which had lost its sacredness and had become the biggest health hazard for humans, animals, and plants, has regained its position as a sacred place.
- All the people, me included, regained their health and joy of life. The wild animals are back again in our forests, in a bigger variety than ever before. The healthy plant life is evident to all uninitiated tourists who come to the area.
- The people have become more receptive to the subtle energy quality of the place. Most important are the peaceful and hearty human relationships that have become evident.

The people of Hemberg have dedicated themselves to help other regions in Switzerland through BioGeometry

- There are no words that can express what Ibrahim and his family have done for us. The whole village has become part of a BioGeometry family.
- It is for us a pleasure and an inner drive to work with Ibrahim on a second project in Appenzell, where ten years ago, an 80 meter high multi-function cellular tower was erected near the residential houses and stables, resulting in a fight for survival.

"Ibrahim has given us back the good quality of life. Thanks to his BioGeometry method we can now have the human life we deserve".

"Our cows are healthy again, and we can live again without the constant headaches and have a good regenerative sleep".

"My depressions and life misery are gone".

"Our trees are growing much healthier than ever".

"Our dogs and cats have healthy offspring that we did not have for the past ten years".

"If it was not for Ibrahim we would have moved out of this area".

These are only some of the comments from the residents of Hirschberg in Appenzell that only give us a small idea of what really happened through BioGeometry

With a lot of gratitude

Ruth Schaad

Excerpts from the Study of Mobile Radiation in Hemberg (Translated from German)

Phenomena are the Precursors of Science

For ages, phenomena accompany humanity. Decades ago the natural radio-active radiation was challenging the spirit of research; today the technical emissions, electrical currents and fields are the challenges.
Have we reached with that the end of development? I think this is not the case. The creator of this world and the universe has thought about a lot of things, and we discover constantly new aspects.
Dr. Ibrahim Karim has discovered, with BioGeometry, an interesting new way. Many harmful effects could be changed to biologically neutral or favorable influences through harmonization with forms, shapes and mathematical ratios. The base of application possibilities is always getting wider and more open with his projects in many countries.
I first heard about BioGeometry when I met Dr. Ibrahim Karim for the first time in 1998 in the USA.
We organized a workshop at the International Institute for Building-Biology in Clearwater, Florida. It seemed for me, that Karim's ideas of BioGeometry would have an enormous potential for the future. Then each of us went on our way, and we just kept in written contact.
A surprise telephone call from Dr. Ibrahim Karim in the summer of 2003 led to a renewed contact. He had been asked whether he could carry out an investigation in Hemberg SG. Some of the residents were at the end of their

strength and energy, after a new mobile phone antenna had been installed on the tower of the Catholic Church. In a few weeks time, Dr. Ibrahim Karim was able to improve the situation to such an extent, that most of the affected persons were able to “live” again, and do untill today.
The sensitivity of humans varies from one person to another. The reaction of electro-sensitive persons is stronger. The reaction of animals is always interesting as well. They hardly suffer from “imagined” disturbances. Here the BioGeometry effect caused a surprising change: for example, birds and bats returned to their grounds after the elimination of the disturbance.
The preliminary results, from the mobile phone antenna project in Hemberg, are evidence enough to support the spread of this way of harmonization. Based on the success of this first practical pilot project, further applications are to be scientifically explored in a second research project.
The earth is definitely not completely explored. We have to give it a chance, to study these new phenomena! We would like to express our gratitude and thanks to all who assisted and supported us in the project of Hemberg. Their engagement was for the well-being of humans, nature and the environment. Further research should now aim to cure other affected persons.

Bosco Büeler,
Architect, Building
Biologist SIB
Managing Director
GIBB, Flawil SG

Initial situation—Press conference of OMK on August 28, 2003 in Hemberg

The Mediation Authority (OMK) Initiates the BioGeometry Experimental Project

What happened in Hemberg?

On November 3rd, 2002, the Mediation Authority for Mobile Communication and Environment (OMK) was informed by a resident of Hemberg, that he had been suffering from sleeping disorders, headache and concentration deficiencies since the mobile phone antenna was put into operation. Furthermore, the brooding song-birds had left. An on-site appointment on December 18, 2002, was agreed upon with this resident. Ten other persons, who suffered from similar complaints, participated at this meeting.

Following this meeting, the OMK made inquiries, collecting information from the municipality of Hemberg, Swisscom, the parish of Hemberg and from the state physician of St. Gallen, who has dealt as well with this problem. The investigation revealed that the process of antenna installation was correctly performed and that the values were clearly below the limits for non-ionising radiation. Furthermore, Swisscom has only installed antennas of 900- frequency, whereby it would have been allowed to put into operation a 1800 frequency, according to the construction license and the norms of the permissible set values.

Despite the fact that OMK carried out different investigations and evaluated possibilities for solutions, the situation was very tense between the affected sick persons in the district and the Mediation Authority for Mobile Communication. The situation was in every aspect very difficult.

At this point contact with Dr. Ibrahim Karim was established through a recommendation from an important figure in the Swiss economy sector. Karim informed that he was able to eliminate the people’s problems through his personally developed science of BioGeometry.

During the first long session with OMK, Dr. Ibrahim Karim explained BioGeometry and the successes he achieved in the different universities and state authorities. He agreed to demonstrate his method precisely and without charge during his vacation in Switzerland.

At the request of OMK, Swisscom announced its participation in this research project, as they support everything that could release the tense

situation in Hemberg. On August 6, 2003, the affected persons and the town council were directly informed through Dr. Karim about his plans. The residents expressed their willingness to participate in the project as well. On the same day Dr. Karim started his work in Hemberg.
Here the OMK carried out a pilot project with all participants, with the OMK solely holding the responsibility. We decided to start this project, after we had recognized, that it was very difficult to find a solution for this case. We had to realize on one hand that the quality of life was very bad for several persons. On the other hand it was clear that the construction of the antenna was carried out completely legally and the set value limits were kept. At this point we came to the conclusion that we would not achieve anything without venturing anything.
At the same time the risk was not that high, as we were convinced that we would benefit in any case. We are of the opinion that the main objective of the OMK is to offer transparency. Accordingly, our intention was to inform all residents if Dr. Karim's method offered for the correction of non-ionizing emissions was not successful.

What is BioGeometry ?
BioGeometry is a relatively new science developed by Dr. Karim during the last 30 years. The aim of BioGeometry is to create a harmonic energy quality in the surroundings of human beings, animals and plants.
Because the natural energy fields are more and more disturbed through the many new constructions and installations on earth, an increased negative influence on human beings, animals and plants is the result, according to Dr. Karim's statement.
Specially designed geometric forms and beams, which spread energy quality, producing a balance of energy function were used. According to Dr. Karim, this would lead to the strengthening of the immune system and at the same time would reduce the disturbances. The application possibilities of BioGeometry are many. The Mobile Communication Network, electrical cables, high tension installations, all kinds of electro-magnetic waves and water could be used as transmitters for the harmonization of energies in the surroundings

What is gained through this method?
Knowledge and findings of BioGeometry were applied in different projects,

as stated by Dr. Karim. This was done in cooperation with Universities of the Middle East, USA and in the Netherlands. Thus, for example, the BioGeometric treatment of agricultural areas—involving apples trees and potato fields—led to a reduction of parasites, a better harvest and a longer shelf-life of products, in comparison to those products of non-treated parcels.
Architecture is an important field for the application of BioGeometry. According to the statements of Dr. Karim, constructions which have been built under consideration of the BioGeometry findings from the very beginning, already do have harmonized energy-fields inside the building.
Dr. Karim emphasized, that BioGeometry should not be thought of as a form of alternative medicine, even if the resulting balance of biological functions and strengthening of the immune system lead to an improvement of well-being and, for instance, achieved positive results in Hepatitis C research. BioGeometry as a means for qualitative energy exchange with the surroundings can only support medical treatment, but could never replace it.

What has been done in Hemberg?

Quite obviously a lot of environmental problems existed in Hemberg. A lot of geopathic stress, many electrical installations in the low-frequency level were found. According to Dr. Karim's opinion, with this multitude of stress affliction, it was not possible to find the reason for such disturbances of well-being.
Through the different stress afflictions, qualitative resonance features were developed between the different types of electromagnetic waves. According to Dr. Karim, the trigger of such phenomena is not necessarily the last source of stress that has been added.
The aim of the project was not to find the reason. The main emphasis was put to help the people.
After situation analyses and discussions with the afflicted residents, Dr. Karim installed geometrical forms on the electrical cables of the antenna as well as at the houses of the affected persons.
The antenna had been chosen as the main bearer of the BioGeometric energy quality, as a great effect could be achieved with it. The works accomplished in the houses under consideration improved the result of the antenna furthermore. The works required an effort of about six days.
According to the afflicted persons, the first results were positive: they slept better, had fewer headaches, were less aggressive and had more energy again.

The affected residents found the birds and bats coming back again, after their disappearance for over a year.
These were the preliminary results. Now we have to observe the effectiveness over a longer period of time. Dr. Ibrahim Karim will follow up on the project for the next three months to guarantee the effectiveness during different climate situations through fine tuning. He will later install specially designed figures as well for Hemberg, hoping to improve the situation further, or at least to achieve a simplification of the present installations. The Mediation Authority for Mobile Communication will report the results again in the future.

Mediation Authority for Mobile Communication and Environment, August 28, 2003 More information about BioGeometry and a CV of Dr. Karim are found under www.biogeometry.com.

Experience report by Regula Keller-Frei

“On some days we left the flat hastily”

We are a family of five members with 3 children in the aged 14, 12, and 9. For fourteen and a half years we have lived in Hemberg—a little village in Toggenburg with approximately 900 residents. My husband and I, together with two employees and a trainee, lead a workshop for the repair of agricultural machines and cars. During our time off we enjoy nature, walking during the summer time and skiing during the winter. For the children and for us this living in the countryside is something very beautiful. We cannot imagine ourselves living in a city.
But late summer 2002 our peace was massively disturbed.

“We almost had forgotten about the Natel-antenna”

At this time we accidently learned about the Natel-an-tenna of Swisscom, which was going to be installed in the tower of the Catholic Church—which was at a distance of 100 meter from our house. This led us to give it serious thought because of the emissions. We consulted the electro-biologist Urs Hafner from Degersheim, SG, and wanted to know from him to what extent such an antenna could be harmful for us. Urs Hafner informed us immediately that the location could not have been better for us. The angle position of the antenna was harmless for us. Nevertheless, Swisscom could change the angle position in such a way that the electro-magnetic fields would be directed over our house roofs and thus be absolutely problem-free for us.

We discussed this issue together with the district president, Swisscom and Urs Hafner. After several weeks we were informed that the angle position could not be changed and that the construction license had been given through the municipality.
What can we do? “We have to live with it” we told ourselves. “Perhaps everything is going to be fine and our fear and concern about health problems were unfounded”. We were ok and almost forgot the whole subject.

Suddenly my husband got pneumonia

After 3 months my husband felt exhausted, as if he was going to get a

cold. He was barely getting through daily work. At the same time I had frequent headaches, dizziness and severe pain in the neck muscles down to the shoulders.

This sleeping area of the Keller-Frei family in Hemberg SG is protected effectively with a shielding cloth from electro-smog

As we had a lot to do in the workshop, we thought that our complaints were the result of work-stress.

But my husband's condition got worse. He became hoarse and finally his voice failed completely. He got an appointment with the physician, who immediately examined his lungs. Further investigations and moments of fear followed this first visit. Finally we got the results. He was suffering from a hidden pneumonia. Only after several weeks of medication with antibiotics did he started to feel better.

Meanwhile I felt more and more sick. The muscles became tenser. On some days I had to interrupt the office work, had to lie down and massage my neck. I needed always a longer time to be able to get back to work. In the evening I was so exhausted that I was happy when the children were in bed, and I was able to go to bed too. More and more we had the suspicion, that the reason for our complaints was the Natel-antenna in the church tower.

We discussed the issue with my parents in law, who live opposite to us. I was informed by my mother-in-law, that she was suffering at this time from health problems, but thought, that this was due to her age. We went together to the district president and talked to him about our health problems. We expressed our wish to transfer the antenna to another location. I mean, an antenna does not belong in a church tower in the middle of a village. He

listened to us, and promised to discuss the matter with the municipality.

Our Kids could not sleep any more

After a while our second daughter could not sleep as well, she had never before suffered from sleeping problems, she used to get up in the room crying at 22:30 because she could simply not sleep, and the next morning she had to skip school.

In the beginning I used to suggest that she read a few pages so that she would get tired, but that did not help. We were also wondering whether she had problems in school or elsewhere, but that proved not to be the case. Then she switched sleeping places with my husband and Sara found sleep in his bed within a few minutes. On the other hand, my husband could never find sleep in Sara's bed and next morning he said I will never sleep in that bed again. It was amazing what a bad night that was for him, his eye lids were swollen and his eyes tired.

Next night I tried my luck in Sara's bed. I was restless as well. All night I was cold, then it was too hot and I woke up every few minutes.
It was obvious that we had to find another solution. We have noticed, that we do not feel unwell to the same degree in all places of the house. It was extremely bad in the kitchen. We were only able to stay there for a short period of time.

The family escaped to the basement, because this part of the house was less exposed to emissions. Here the basement, which was almost cosy.

We felt head pressure, tense musculature and our energy was really drifting away. On the ground floor, where our workshop is, we sometimes felt better. And in the basement our complaints were reduced. So my husband moved to the basement for several months. Sarah slept with me in the parents bedroom. Thus our sleeping condition had finally improved a little bit.
But then my eldest daughter and my son started to have sleeping problems too. My daughter woke up every night and sat in the middle of her room on the floor. My son woke up sweating every night. We found a sleeping place for my daughter in the bathroom. She slept on a mattress and mostly was able to sleep through the night.

With expensive foils we tried to protect ourselves against the electro-smog

After a certain while we heard about an enterprise, which produces construction foils for shielding purposes and which deals with shielding material. We covered the ceilings with construction foils in different rooms, and with special shielding material we made a kind of tent around each bed, in order to be protected against the emissions.

This cost us a lot. But at least we were able to sleep again in our usual beds- with the exception of my husband. During summer time it was too hot for him under this tent. But the aggressiveness among ourselves, initiated through the massive loss of life-quality and the energy loss during the day, this all remained and we needed a lot of strength and nerve.
We often asked ourselves whether to search for another place to live. But due to business and financial reasons it was not possible. So we only had the option to avoid our house as much as possible. On some days we felt better. On other days, especially on weekends we left our house hastily, because we couldn't stand it anymore.

Only here in the basement was my husband able to sleep.

It was especially bad in Christmas. We hoped for good snowy weather conditions, so that we could ski a lot. Unfortunately this was not the case. We will never forget Christmas 2002. Our family life was very disturbed and difficult. Everybody tried to keep to himself, and to act the best way possible under the given circumstances. All day we were in a bad mood, and rarely did anybody laugh. We were all tortured by the fear of how things might continue. We were disappointed because only very few persons understood our problems. We became outsiders. The issue of the mobile communication antenna was not understood by our community. The sum of all the stresses and burdens were hard to bear. And we just wanted one thing: to get our previous life back.

A scientist from Egypt helped

During the summer vacation we travelled for two weeks to the Caribbean. There we had no complaints and were able to gain back some of our strength. Back home we slept the first night well, and were all very happy about it. But already the next day complaints and problems started all over again.
Then—a few days later—we were informed that the OMK would intervene.

Dr. Ibrahim Karim, an Egyptian scientist, would try to bring our suffering to an end through the use BioGeometric elements. We were awaiting the day desperately on which he would start his pilot project in our village. About four months have passed since that time. Dr. Ibrahim Karim has helped us through his work and through the use of BioGeometry to get back a worthwhile life. Our family is intact again. For this we would like to express our deepest gratitude.

Hemberg, November 2003
Regula Keller-Frei

Experience report by Rosmarie Keller

Electro-sensitive persons feel the emissions of electro-smog and mobile communication antennas very clearly. Dr. Karim placed protective elements in the family's winter garden according to precise co-ordinates.

Dr. Karim had to install BioGeometric elements in the church tower. Finally access was arranged on August 20. The effect of these elements was a relief. We were at last able to breathe and our heads were clear again. On the same night as well as on the following days we observed bats coming back again.
Four days later we experienced a major set back and started to search for the cause. We felt that “something” was coming toward us from another side. We noticed that the antennas on Saentis, Hochhamm and Schoenegrund were also influencing us negatively.

Dr. Karim had to deal with this new problem. He installed provisional BioGeometric elements. We immediately felt better again and the birds came back.

Dr. Karim sent his son back to Egypt for the production of the specially designed elements for the Natel-antennas. Dr. Karim had to get back to the church tower to install a stronger element near to the antenna. On September 19, he got the permission for installation.

With this flexible fixture for the geometric shapes it was possible, to harmonise mobile disturbance in several directions sources.

“We had to protect ourselves from military radio transmissions as well”

Now we have our well-being. In the village, people were sleeping better. But at the end of October we faced a new problem. We frequently experienced bad times—actually only for some hours, but very severe in effect. immediately When we searched for the reason, we found out, that each time we felt ill, the military had activated radio-transmission from stations in the direction of Saentis.
It was difficult to handle, as the military radio-transmission stations were always repositioned in different locations, so that we always had to change the direction of our elements. Upon Dr. Karim’s wish, my husband prepared a special fixture. On this device we mounted BioGeometric elements pointing to all directions. Thus we were “armed” against all emissions.
The Hemberg project was a fruitful time for us, we learnt a lot and we valued the close cooperation with Dr. Karim, his wife and their son. Dr. Karim had foreseen one week work for the Natel-antenna project, but it was extended to four months. We are all very thankful for his efforts. We felt all the time, that he was taking us seriously and that we were in good hands.

Hemberg, November 2003,

Rosmarie Keller

Questionnaire among the affected residents: Dr. med. Yvonne Gilli

Questionnaire Revealed: Complaints Have Been Massively Reduced

Conditions for the subsequent questionnaire

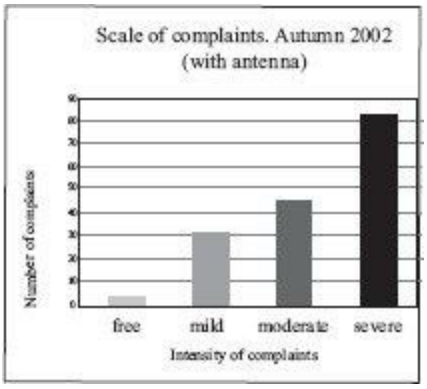
On October 6 and 12, 2004 a detailed questionnaire was distributed among the residents of Hemberg, concerning their complaints.
According to a scale, which included 4 intensity grades, the participating residents marked the present complaints and compared them with the condition before putting the antenna into operation and after the BioGeometric installations done by Dr. Karim.
The persons asked were very positive about Dr. Karim's pilot project. The number of persons who were asked (35) is statistically not significant. The subjectively mentioned complaints were structured according to a head-feet scheme. Complaints, which were not fitting into to this scheme, were noted under a column "other complaints". Under this column disease diagnoses were noted, which were subjectively influenced by the mobile communication antenna.

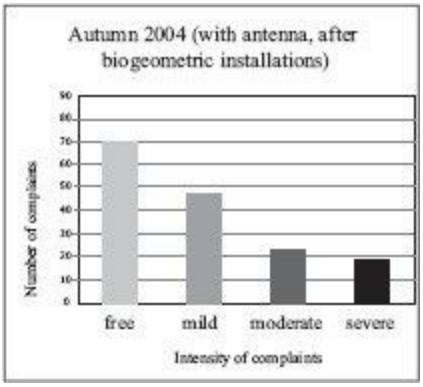
Head and Concentration suffered the most

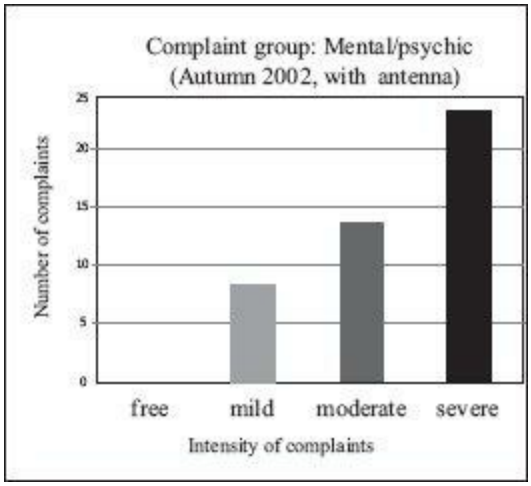
In general, an increase of complaints was revealed in regard to number and intensity after putting the antenna into operation. This was followed with an obvious improvement after the biogeometric installations by Dr. Karim. Some of the persons questioned were not able to remember exactly, which complaints already existed prior to putting the antenna into operation.
In the head to feet scheme, the head complaints were clearly dominant. Under these complaints in turn, the psychological status and the cognitive performance were of greatest concern. The psychological complaints could be categorized in a wider sense under depressive symptoms. There were also complaints in the cognitive functions especially concentration.

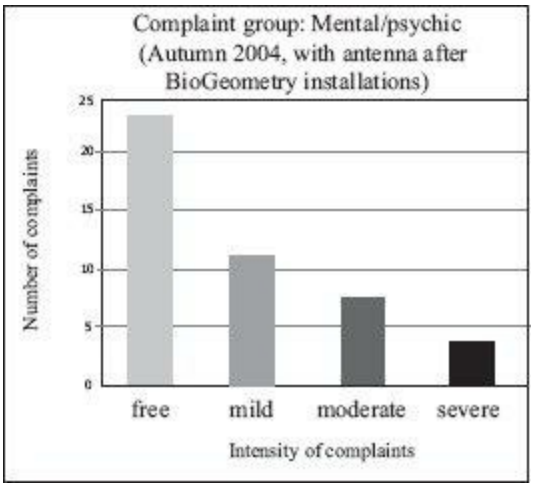
Rheumatic complaints increased

On the physical level, the affected persons in Hemberg complained mainly of headaches as well as eye and ear problems.


Scale of complaints. Autumn 2002
(with antenna)
Number of complaints
free
mild
moderate
severe
Intensity of complaints


Autumn 2004 (with antenna, after
biogeometric installations)
Number of complaints
free
mild
moderate
severe
Intensity of complaints


Complaint group: Mental/psychic
(Autumn 2002, with antenna)
25
20
15
10
5
0
Number of complaints
free
mild
moderate
severe
Intensity of complaints



Next to the head complaints, an increase of rheumatic complaints and temperature sensitivity was revealed.

Not all react similar to electro-smog

Despite of the low number of cases and the subjective statements, the questionnaire is of interest. It reflects the known symptoms, which were already described in other studies under the term biological or non-thermal effect of GSM mobile communication emissions. As most of the felt complaints are medically not objective, it is difficult to record them scientifically.

Furthermore it is difficult to record the cases, because of the large scale of complaints and the obvious different individual reaction to the emission. Not to forget the individual variable exposition, even for persons in the same household.

It has been noticed in case of a family, who has been asked, that the complaints were intensified after putting the antenna into operation, despite that the family members were exposed to a 10-times stronger “house-made” electro-smog (through a microwave device, a wireless telephone, as well as other equipment in standby-position). One of the family members felt especially unwell in a certain room, which was proven to be subjected to more electro-magnetic emissions.

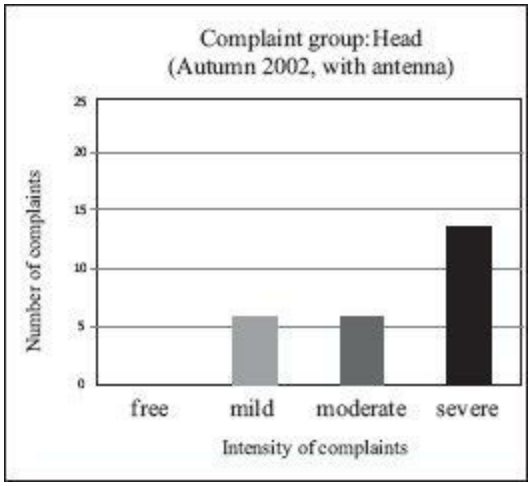
Larger scale examinations would be of outmost necessity

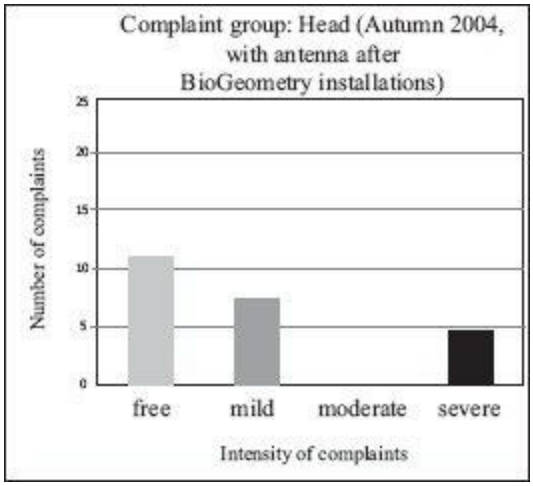
For future questionnaires the questions should be adapted to new findings. To be enabled to argue scientifically, the following criteria should be considered:

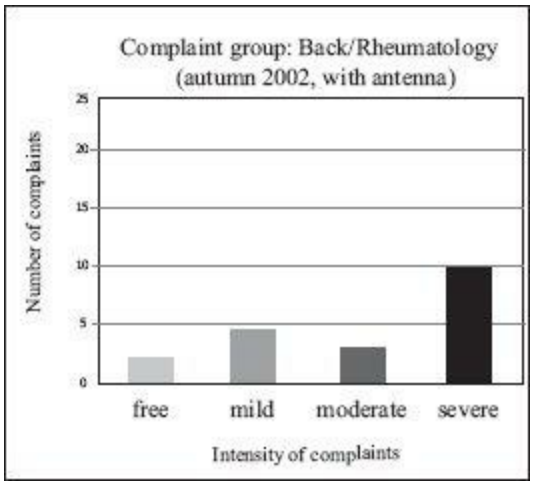
- One should survey a larger number (100 persons) living in a quantitatively

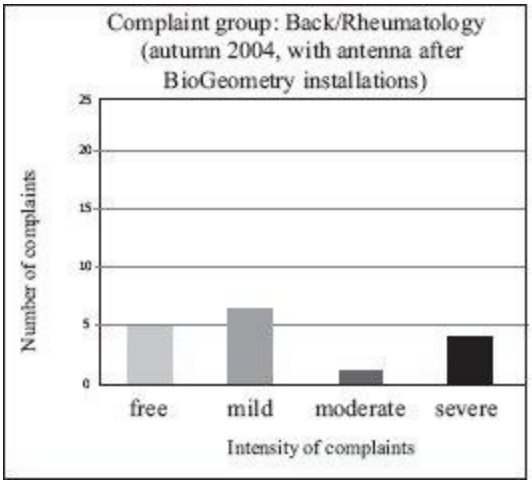
known geographic sector, exposed heavily to mobile communication emissions. No selection should be carried out (in this case the most afflicted were chosen). The persons should have be chosen prior to the installation of the antenna.

- Measurements of the locations are to be done first. In flats the different measurements are to be carried out as well in regard to longer presence in the relevant room, e.g. bedroom.









The additional electro-smog must be known and quantified as well.

- A minimum of 4 different phases of questionnaires should take place: before putting the antenna into operation, 4 months after putting the antenna into operation, 1 month after the installation of BioGeometric devices and 1 year after the installation of these devices.

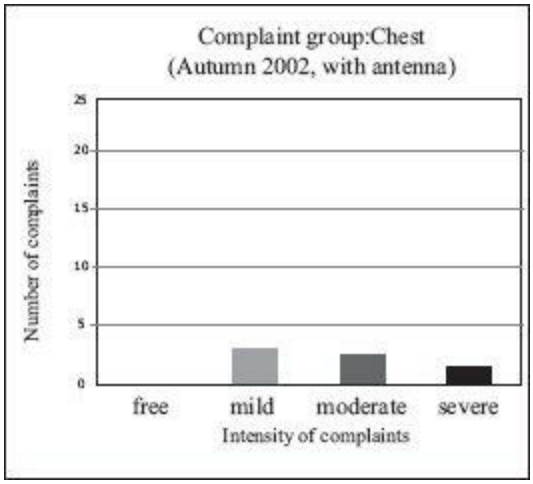
Neither the persons who are asked, nor the persons who put the question should know the actual situation of the antenna—whether in operation or not.

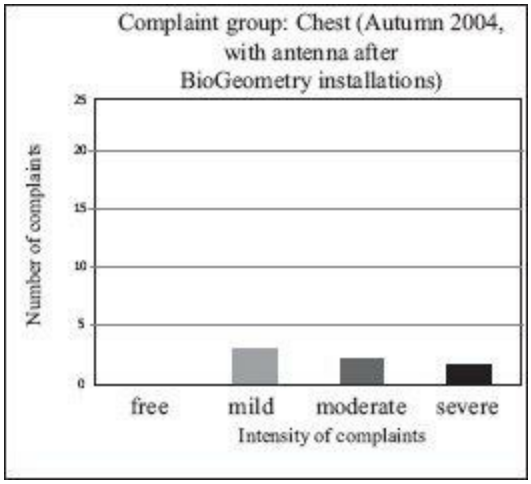
UMTS—supply increases the health emergency situation

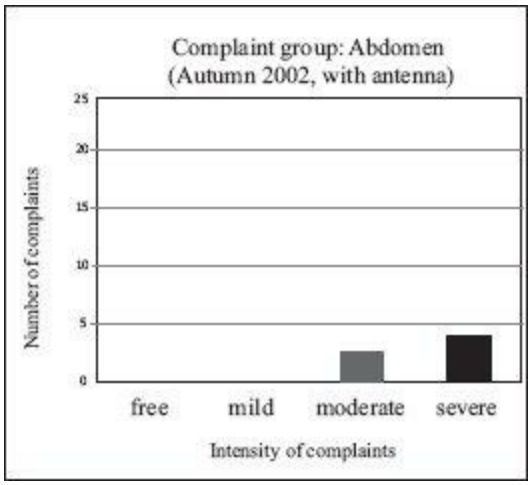
It is hoped that epidemiological studies will be financed in future. Due to the present study situation and the results of this minimal number of questioned afflicted persons, we may speak of an actual health emergency situation, contrary to the so called installation emergency, given by the Federal Advisory Council prior to the enactment of the NISV-decree. This is now increased due to the present provision with UMTS.

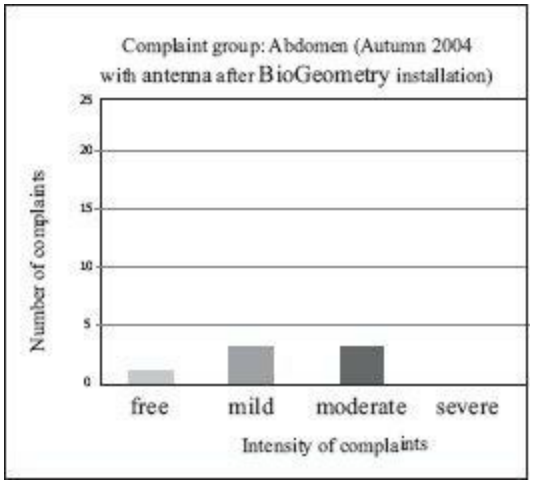
Wil, Automn 2004
Dr. med. Yvonne Gilli

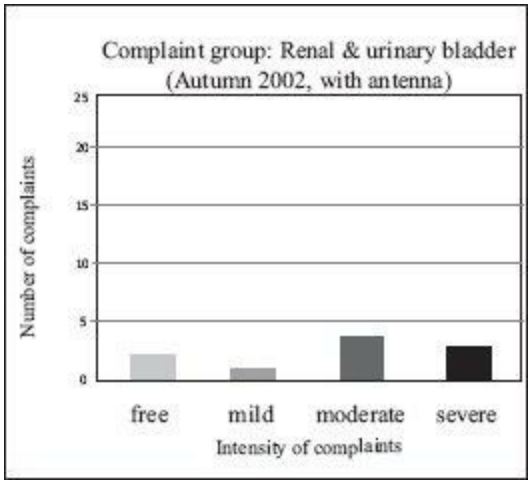
Author's note:
Long term effect: In 2010 the sustained well-being of the residents is evident.

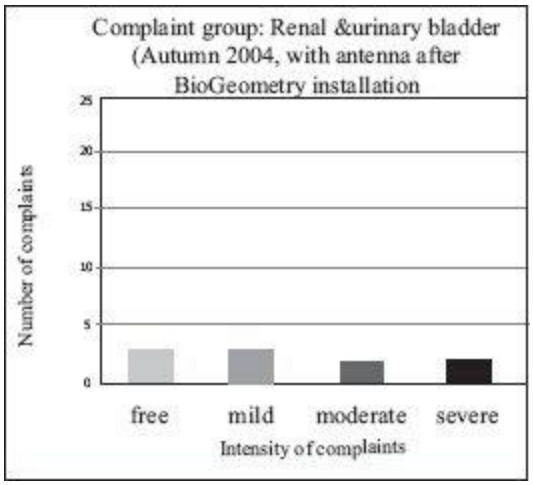





Complaint group: Abdomen
(Autumn 2002, with antenna)
Number of complaints
25
20
15
10
5
0
free
mild
moderate
severe
Intensity of complaints


Complaint group: Abdomen (Autumn 2004
with antenna after BioGeometry installation)
Number of complaints
25
20
15
10
5
0
free
mild
moderate
severe
Intensity of complaints


Complaint group: Renal & urinary bladder
(Autumn 2002, with antenna)
Number of complaints
25
20
15
10
5
0
free
mild
moderate
severe
Intensity of complaints



	Autumn 02, with antenna				Oct 04, antenna BioGeometry Installations				
About 60 % (58.6%) of all complaints are distributed among the below listed 15 terms:	none	mild	moderate	severe	none	mild	modera-	severe	
1. Nervousness		4	2	4	2	4	4		
2. Sleeping disorders		1	4	4	5	2	1	1	
3. Difficulty to get to sleep			1	6	3	4			
4. Exhaustion, Loss of performance		2		5	5	2			
5. Weakness of memory		1	2	4	4	1		2	
6. Irritability			3	4	3	2	2		
7. Headache, migraine,		2	3	2	1	3		3	
8. Allergies (against medications, food, rhinitis)		2	1	2	1	3	1	1	
9.Heat flushing and sensation	1	1	2	2	3	1	2		
10. Skin problems (eczema)		1	1	3		2	1	2	
11. Neck- & shoulder pain, tenseness			1	4	1	2		2	
12. Back pain		3		2	1	3		1	
13. Vision disturbances, eye-pain		2	2	1	1	3		1	
14. Sexual problems	2		1	2	3	2			
15. Hyperactivity, concentration problems			2	3	2	1	1	1	
Total complaints	3	19	25	48	35	35	12		191
Mental and Psychic Complaints									
1. Nervousness		4	2	4	2	4	4		
2. Memory weakness		1	2	4	4	1		2	
3. Hyperactivity, concentration problems			2	3	2	1	1	1	
4. Depression		1	2	1	3			1	
5. Irritability			3	4	3	2	2		
6. Moodiness, loss of energy			1	3	3	1			
7. Nutritional disturbances, loss of appetite		1	2		2		1		
8. Exhaustion, performance weak-ness		2		5	5	2			
Total complaints	0	9	14	24	24	11	8	4	94

Head		2	2	1	1	3		1
1. Vision disturbances, eye pain				1	1			
2. Cataract		2	3	2	1	3		3
3. Headache, migraine			1	3	2	1		1
4. Ear problems (Tinnitus)		1		2	2	1		
5. Loss of hair		1		3	3			
6. Vertigo, nausea				1	1			
7. Dizziness (Head)		2		5	5	2		
Total complaints	0	6	6	13	11	8	0	5

49

Back, Rheumatology								
1. Neck-& shoulder pain, tenseness			1	4	1	2		2
2. Back pain		3		2	1	3		1
3. Joint-problems		2	1	2	3	1		
4. Rheumatic complaints	1			2	1	1	1	
Total complaints	1	5	2	10	6	7	1	3

35

Press Conference from October 22, 2003 in Hemberg—Christoph Zweili

The Mediation Authority for Mobile Communication and Environment

Tagblatt

Thursday, October 23, 2003

Karim from Wonderland?

In Hemberg the electro-smog was tackled in an unconventional manner. Critics speak of swindle and hocus-pocus.

Hemberg BioGeometry, for critics, is a mere swindle. Electro-sensitive persons call the method of the Egyptian Ibrahim Karim a blessing. The Mediation Authority for Mobile Communication and Environment summed it up after a three months' field-project. In spring the young birds returned from the warmer south, but migrated again after three days. Parents of swallows abandoned their brood, which starved to death miserably. Wagtails did not like it either in Hemberg anymore.

That was in June 2002, when Swisscom put their new 710-Watt mobile communication antenna into operation. All at once, a farmer had bad luck in the cowshed. There were a deformed calf and two abortions. Two dozen electrosensitive people complained of headaches, vertigo, exhaustion, sleeping disorders, fear and depression, down to inexplicable aggressive conditions. They felt that neither the family doctor nor the community authorities took them seriously. A dispute between the residents, authorities and Swisscom flared up and continued for months. The operators refused to switch off the legally installed antenna, which broadcasts under the set maximum limiting value.

All's well that ends well

This was the case until 3 months ago. "Now we all enjoy life again," says the 64 year-old Rosmarie Keller, spokesperson of the residents on Wednesday in front of the media. She and the President of the community, Walter Fischbacher, could look into each others' eyes again. It was a blessing, that the Mediation Authority for Mobile Communication and Environment,

established by Mobile communication providers, Swisscom, Orange and Sunrise, had the Egyptian Ibrahim Karim, graduated ETH- architect and Doctor of technical Sciences flown in by air. Karim installed his patented BioGeometry shapes and figures. made from wood and plexi-glass, in the homes of 6 families, as well as inside and outside the church. The Egyptian, who supervises worldwide serious research programs, that can be looked up on his homepage, ordered further production of area covering shape components for Hemberg, which were to be produced in Egypt and to be sent to Switzerland. Karim transformed twelve different sources of interference outside of Hemberg and seven in the church tower into positive energy. Enough to finalize the project. And hope for a continuation at another place —with a budget to make it possible for medical accompanying examinations and documentation through a university or laboratory.

“Hemberg is no individual case”

The Swisscom representatives at the Media conference seem satisfied. “We have an interest that our installations be acceptable for mankind and the environment,” says Claude Georges, Swisscom Directorr for Mobile Communication and Environment. Hans Ulrich Jacob expresses himself extremely critically against the Mediation Authority of Mobile Communication providers, represented by Erika Forster. Jacob acts in the name of his private organization, the Mediation mobile Communication and Health, for the interests of persons, in the Swiss community, affected by electrosmog. He speaks of the “plot of Hemberg” and calls Karim a charlatan who works with cheap plexi-glass shapes “which are available in every oriental bazaar”.

More articles about this subject in Tagblatt:

July 14, 2004:
No miraculous remedy, scientifically implausible
June 24, 2004:
Is the project BioGeometry going on?
June 11, 2004:
Karim contra Swisscom
August 29, 2004:
A village resorts to self-help

During the press conference, those participating in the experiment vehemently contested the suggestion of foul play. The transmission power has not been lowered during the experiment, as it has been claimed" says Claude Georges. To prove that, the data provided by Swisscom have been scrutinized by the Federal Authority for Communication, the supervising authority that made sure that both transmission power as well as limiting values were complied with. "Hemberg is no individual case", Erika Forster says and refers to the antenna at Hirschberg. Here also the Mediation Authority is searching for solutions. Is she herself convinced of Karim's method? "When I see the results, then something has to be behind it" she admits diplomatically. "I recommend further field experiments accompanied by scientific research."

Catchword Electro-Smog

Mobile phones and basis-stations transmit and receive electro-magnetic radiation in the range of high frequency radiation between 900 and 1800 MHz. The installation in Hemberg has been approved for 1800 MHz—and so far transmitting only 900 MHz. The spectrum of frequencies of the electro-magnetic radiation is subdivided in ionizing and non-ionizing radiation (heat, UV radiation, light and electro-smog). There are only a few scientific secure perceptions about the impacts and effects of mobile communication installations. According to the Federal Authority for Health, some impacts have been proven: Thus the mobile telephone radiation can disturb sensitive appliances, such as hearing aids, instruments in the intensive care in hospitals or electronic devices in airplanes. Persons who frequently use a mobile phone complained of more headaches than those who used them less frequently.

Mrs. Erika Forster had called for the press conference in her position as Mediation Authority representative. Many residents of Hemberg made use of this chance to exchange information.

Dr. Ibrahim (left) explained the details of the BioGeometric effects of his method.

Clarification Statement of the Mediation Authority

The rebuttals, according to which before Dr. Karim's intervention the transmission power was increased and afterwards lowered, has caused the Mediation Authority to check this claim.

The Federal Authority for Communication has attested in writing on October 16, 2003, that during the experiment in Hemberg the transmission power was not raised at first and then lowered again afterwards.

Signed by Mr. Philippe Horisberger, Chief of the "Frequency Planning" Division.

Mediation Authority for Mobile Communication and Environment, November 25, 2004, R. Lüthi.

NZZ am Sonntag

Edition August 31st, 2003, Peter Traxler

"The immune system of electro-sensitive persons could be strengthened, Karim explains. This is not happening just by chance, but according to the science of "BioGeometry", which has been developed by Karim himself during the last 30 years. He has been guided by the conclusion that even the sun has good and bad rays, but that only the good rays reach the earth. This protection is due to natural geometric forms and colours, which are a kind of divine design language.

Among his research works there are projects for the protection of fruits and vegetables against parasites. His field of work is extended from Cairo and the Middle East to half of Europe and the USA.

Karim, who studied in Zurich, did the work in Hemberg free of charge. "Switzerland gave me a lot; now it is time for paying back", the father of four children said.

Baubiologie

Reader's Brief

From an interview with Dr. Ibrahim Karim, issue 01/2004, page 11

BioGeometry in Hemberg:

Mobile communication is not the only cause!

In "Baubiology" Bulletin, April's issue, Dr. Ibrahim Karim was asked about the potential of the science of BioGeometry which he developed. Reading through the introduction, you will find that Dr. Karim managed to relieve the inhabitants of Hemberg, SG, "from the harmful side effects of the mobile communication antenna". Moreover, the article described BioGeometry as "a technique to harmonize mobile radiation" and "to help victims of mobile radiation". The readers tend to believe that the mobilecommunication antenna in Hemberg is causing health problems.

Dr. Karim, on the contrary, has a different perspective regarding the situation in Hemberg. He suggested, from the beginning, that the problem was cauded by all electrical sources as well as earth radiation in addition to the electromagnetic fields of the mobilecommunication antenna, which was as in the saying, "the drop that spilled the water

from the glass". Dr. Karim expresseded this point of view repeatedly in every meeting. By the fact that he successfully solved the problem, Dr. Karim confirmed his thesis that all electrical sources alongside earth radiations caused part of the disturbances in addition to mobile tower radiation. Dr. Karim, Architect by profession, graduate of the renowned F.I.T. Zurich, Switzerland, announced this in most of his press interviews, such as "Toggenburger" (issued in 29.August 2003), "Linth-Zeitung" (issued in 28.October 2003) and also in public presentations.
The residentsare happy that, through the help of Dr. Karim, the complaints of the afflicted persons have been reduced. It is important to understand that the disturbances are due to a combination of various bad effects arising from different sources of electromagnetic radiation.
By Eng. Jurg Studerus, Swisscom Mobile Environment

FACTS
DAS SCHWEIZER NACHRICHTENMAGAZIN

Edition June 10, 2004,
Andreas Schmid

The shapes and plexiglass tools produced miracles in Hemberg, SG. With his BioGeometric method the Egyptian Ibrahim Karim has harmonized the emissions of the mobile communication antenna of the church tower in the village in Toggenburg.

Rosmarie Keller does not know what happened to her. With his shapes directed at the transmitters, Karim changed the harmful rays into harmless ones. Obviously with success. "The result is unbelievable". The complaints are gone, her body has regenerated continuously. An obvious indicator supports her subjective sensation: "Since Karim was here, we have martens again in our garden. And more birds than we ever had before". For Keller this is the proof that BioGeometry is no esoteric hocus-pocus. "Animals do not imagine things." Having regained her well-being, Keller does not want to leave it at that. She fights on for electro-smog afflicted persons and demands the application of the BioGeometry project in all of Switzerland. Meanwhile interested persons from six other districts asked for explanation of the inexplicable.

Author's note:
A contract for a solution for the whole country of Switzerland has been in negotiation between Swisscom and Dr. Karim, BioGeometry energy

Translation from German original

Ibrahim Karim harmonized radio waves with “BioGeometry”. Ibrahim Karim used his method called BioGeometry to harmonize the effect of the radiation of a Swisscom antenna in Appenzell with success: The cows have no more miscarriages, the residents no longer complain of headaches and many are getting better sleep again.

Picture: Keystone
Archive image of October 2003: Ibrahim Karim shows his devices at the mobile communication antenna inside the tower of the Catholic Church of Hemberg.

Picture: Keystone
Archive image of October 2003: Ibrahim Karim shows one of the objects which he installed at the mobile communication antenna in the tower of the Catholic Church of Hemberg.

According to an official release from the government commission of Appenzell Innerrhoden on Tuesday, the feedback from the public was

extremely positive. The Egyptian architect donated the fee of 20 000 Swiss Francs that he received for the success of the project, to the Steig Foundation for the workshop and the dormitory of the handicapped.

Plexiglass Shapes

The work of Ibrahim Karim is approved and supported by the Mediation Authority for Mobile Communications and Environment (OMC) since 2005. Two years earlier, Karim, had already harmonized the radiation from the antenna inside the bell tower of Hemberg in Toggenburg when he installed his plexiglass shapes and freed the residents of the village of Hemberg from headaches and sleep disturbances. The architect and developer of "Biogeometry" was contacted at that time through the Chief Mediation Officer and St. Gallen FDP member of parliament Erika Forster, to come to Hemberg. Although Karim was successful in Hemberg, he received a lot of criticism. The private "Mediation for Mobile communication and health" called Karim a "charlatan". He was labeled a "radiation guru", a "magician". The town president of Hemberg, however, gratefully thanked the Egyptian. Now the Appenzell Innerhorrden government is also doing the same - without knowing exactly what Karim actually did around the 79-meter-high antenna Hirscherberg. "We are waiting for his report," says Markus Dörig, the government spokesman.

Radio Transmission

Swisscom is the owner of the antenna erected in the mid-nineties. In 2002, it was established that the FM antenna was illegally radiating in that area at 156 percent of the limit. Swisscom promptly reduced the transmission power. In Innerrhoden they had previously suffered miscarriages in cows, they also had udder and mouth problems. Many people who live in the vicinity of the antenna in Hirschberg had complained of headaches, insomnia and fatigue. The cause was initially suspected to be due to mobile radiation and not from radio transmission.

Complaints Are Gone

In 2005 the local residents complained again of problems, which they attributed to radiation exposure. Then Karim came back to Appenzell. According to Markus Dörig, the complaints of the residents are not only diminished, "they have disappeared," as he, the government spokesman said. The effect of Karim's scientific method cannot be measured by conventional

scientific methods. He himself says that he can influence the quality of negative energy fields with his shapes to produce positive harmonization of the environment. Whether he can or whether they have fallen under the so-called placebo effect, is completely irrelevant to those that have been healed. (Government spokesman)

(Translation from German Original)

KANTON
APPENZELL INNERRHODEN

Governor and Commissionary Board
Ratskanzelei
Marktgasse 2
9050 Appenzell
http://www.ai.ch

Prof. Dr. Ibrahim Karim

Appenzell, 24. October 2007
Hirschberg Antenna / Protection from Radiation Stress / in Gratitude

Dear Esteemed Professor,
After different discussions and explanations, you have accepted to undertake the protection from radiation stress in the area of Hirschberg as a research project, in which you would test your latest development in BioGeometry, the Home Kit.
In the letter of 31. August, Ms. Ruth Schaad informed us that project completion is scheduled for the end of October 2007.
The Commissionary Board would like to take this opportunity to express to

you its hearty gratitude for the execution of the environmental harmonizing project in the area of Hirschberg, Appenzell I. Rh., Switzerland, in the period from November 2006 until October 2007.
The Commissionary Board of the Kanton Appenzell I. Rh. appreciates very much and is thankful for the great effort you have done in harmonizing the health of the residents as well as the animal and plant environments, which has proven to have a good effect, as the survey of the residents of the area of Hirschberg has shown.
With another expression of our hearty appreciation, we extend to you our friendly greetings.

In the name of the Governor and Commissionary Board

The Governor	The Secretary of the Board
Signature	Signature
Bruno Koster	Franz Breitenmoser

References

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Terms Coined & Concepts Introduced by Dr. Ibrahim Karim

The following terms denote certain concepts in BioGeometry. They have been applied in the seminars, teachings, research projects, and television programs for many years. *Any unauthorized use is illegal as it infringes on intellectual & property rights.* (See Glossary & Concepts for definitions & explanations).

- *BioGeometry®*
- *BioSignatures®*
- *BioNumerals*
- *Archemy*
- *The Physics of Quality*
- *Qualitative Scales of Measurement*
- *The One Harmonizing Subtle Energy Quality *BG3*
- *BG3 Centering*
- *BG3 Numbers*
- *Formed BG3 Numbers*
- *BioGeometry Qualitative Series (BG3 Series)*
- *BioGeometry Qualitative Harmonic System*
- *BioGeometry Multiple Modulor*
- *BioGeometry Multiple Lambdoma*
- *BioGeometry Qualitative Scaling*
- *BioGeometry Radiesthesia*
- *BioGeometry Color Balancing*
- The Effect *of Number on Biological Subtle Energy Functions*
- *Archetypal Code of the Human Body*
- The BG *Archetypal Ruler*
- *Geometry of the Planes*
- *Higher Planes of Waves*
- *The BioGeometry Energy Key*

Concepts Modified in Accordance with the BioGeometry World View

3D Earth-Sky Subtle Energy BG3 Pattern
Just as it is a historical fact that the ancients used to connect their sacred sites on Earth Energy Power Spots with straight paths creating a sacred 2D subtle energy pattern, we have found that they also connected them to sacred power spots in the sky creating a 3D subtle energy BG3 pattern. These subtle energy connections are achieved through the special design of certain building details.

BioGeometry Energy Key
This is a simplified 2D diagram used for the analysis of the four subtle energy qualities created by any motion in its surroundings. The 3D version in the shape of a Torus or doughnut is used for a more complex spatial or multidimensional analysis. The BioGeometry Energy Key is also used to show the relationship between electromagnetic waves and the compression waves (sound, scalar, torsion, etc.) they create in the environment. (see Appendix: The BioGeometry Design Language)

Forming Process of Nature
Refers to the way living systems evolve according to the laws of harmony and balance that manifest from higher archetypal dimensions out of transcendental qualitative subtle energy centers in the form of a centering quality that produces the beautiful functional shapes of nature.

Open Energy System
We use this term to describe the fact that the subtle energy functions within the biological systems of humans, animals or plants, are in constant exchange with the environment that is referred to in BioGeometry as an open energy system. This concept means that on every subtle energy level (physical, vital, emotional, mental, and spiritual) the abstract collective subtle energy on each of those levels is used to fuel the individual functions of those levels. We use the emotional collective energy in our surroundings to fuel our emotional states and then send the energy out again in the environment. We are

constantly affected by the quality of subtle energy in our surroundings on each level of activity, and in turn affect the collective energy quality of the environment. This aspect is becoming very important lately as many of our health problems are caused by environmental stress (e.g. electromagnetic radiation). In BioGeometry this concept is expanded on a qualitative level to include directionality, shapes, motion, sound, smell, and many other aspects that might not have a quantitative effect on the subtle energy interaction. It is the qualitative aspects of the environmental energy exchange that BioGeometry is concerned with, to complement the quantitative aspects dealt with in other disciplines.

Acupuncture from a BG Perspective

As we are an open energy system, we must have windows: Points that bring the information of the external surrounding to the internal system so that it can adapt it to the surrounding environment. These windows (commonly known as acupuncture points) are traditionally manipulated to affect the energy flow inside the body organs. However, from a BioGeometry perspective the role of these 'windows' is much more significant; *they are the body's sensors to the outside environment*. Instead of using those windows only to look inside the house, we discovered that, from the point of view of the body, the primary function of those windows is to look outside. Every organ sends parts of its energy into the peripheral system (windows) to get information about what is happening outside and adapts accordingly.

Sacred BG3 Sky Locations

These are locations in the sky in which, through our BiGeometry research, we have been able to detect the same *BG3 Subtle Energy Quality* as that found in power spots on Earth.

They are detected by the same radiesthesic methods of remote sensing as used to detect sacred power spots on earth, which were used in ancient times. The BG3 quality makes them regarded as sacred. They are the heavens in the sky, just as the sacred spots are the heavens on earth.

Sculpture Of Space

This term denotes the architect's mission to bring harmony into the subtle energy quality of the inner or outward environments in his design.

The Effect of Number on Biological Subtle Energy Functions

Numbers have always been regarded as having qualitative properties beside their quantitative aspects. Each number has a personality and a way of interaction with other numbers. The effect of numbers on the subtle energy quality of their environment has led us to research the numerical correlations with biological subtle energy functions. This gives design proportions a new dimension.

The Gateway Principle

This is the subtle energy quality principle of a Dolmen or gate, where the supported beam protrudes on both sides of the columns. When the opening faces slightly south of the East direction (in the Northern hemisphere) a path of BG3 quality with the same width as the opening is created and radiates for a long distance in that direction. Most of the megalithic Dolmens in Europe face that direction. Based on this concept eastern gates of sacred buildings have a special importance. This principle is expanded in the orientation of many basilica designs.

The Subtle Energy Effect of the Dents in the Great Pyramid

The Pyramid and hemisphere shapes are strong subtle energy emitters from the apex down to the base and radiating out of it. They radiate a very potent penetrating carrier wave that has energizing, mummifying, communicating, carrier wave properties. This quality is labeled Negative Green by the French Radiesthesists Chaumery & Belizal. The fact that both electrical/ vertical and magnetic/horizontal wave components are present, makes this radiation harmful with prolonged use. Our research has shown that the indents on the sides of the Pyramid cancel our body’s resonance with the harmful wave component. The indents produce a strong BG3 quality instead of the full Negative Green, giving the building a strong spiritual energy quality. The pyramid can then play its part in enhancing the BG3 of the power spot and achieve the connection with the sacred sky locations.

Glossary

Absolute Reality
This term is used to describe the totality of vibratory ranges in the universe. It includes all possible levels of vibration as well as all possible dimensions.

Archemy (coined by Dr. karim)
This is a term that refers to the use of architecture to produce the spiritual change in the architect, the users, and the environment of the building, in a similar way that the ancient alchemists sought to reach spiritual attainments through the alchemical process which produced a grain of gold as the physical proof of the practitioners spiritual attainment. The *Higher Harmonic of Gold*, which is one of the components of the BG3 subtle energy quality produced by the Centering Process of BioGeometry, transforms the process of architecture into a path of spiritual attainment similar to Ancient Spiritual Alchemy. This transformative BioGeometry process in Architecture is referred to as Archemy.

Awareness
As applied in this book, it is the working of the abstract attribute of consciousness through the data bank of the life system. The same abstract attribute of consciousness within energy in its primordial state interacts with the databanks of living energy systems to produce specific types of awareness creating the perceived reality of the individual systems.

Baubiologie (Building Biology)
Is the applied science of creating healthy environments that has been developed in Germany at the beginning of the last century. Baubiologie deals with the reduction of various pollutants - electrical, magnetic, chemical, bacteriological, geopathic stress, and air quality - in our living environments.

Benker Cube System
This is a larger subtle energy 3D grid in the form of cubes whose wider energy lines run in the same direction as the Hartmann lines but are spaced wider apart, in blocks known as Benker Cubes. They are usually spaced 10 meters apart. In a N-S direction, they intersect every fifth Hartmann line; in a

East-West direction, they intersect every fourth line.

BG Archetypal Code of the Human Body
This is the grid and points that are in resonance with the Archetypal Laws that form the pattern or template of the human subtle energy system. It can be used to assess or restore the harmony of the subtle energy quality of the body. This is the covert code of shape as the ultimate manifestation of the laws of nature.

BG Archetypal Ruler
This is a scale of measurement, based on the Archetypal Human Code, which is used with instruments of Physical Radiesthesia to show the level of the BG3 subtle energy quality.

BG3
These initials refer to the 'BioGeometry Three' (discovered by Dr. Karim). The three basic qualities that are in resonance with The One Harmonizing Subtle Energy Quality and are used to detect it: Horizontal Negative Green (HNG), Higher Harmonic of Ultra Violet (HHUV) and Higher Harmonic of Gold (HHG). They are found simultaneously as the main components of the One Energy Quality. However, the addition of the three qualities will not produce the One Harmonizing Quality.

BG3 Centering
This is the use of the principles and techniques of the BioGeometry Design Language to spread and radiate the BG3 subtle energy quality of the center to fill the whole area of the object. The whole object is transformed qualitatively into a center. This centering quality puts a center in every point of the shape creating an ultimate permanent state of balance.

BG3 Numbers
These are numbers that emanate the *BG3* subtle energy quality. They are detected by the qualitative effect of a number of identical objects on the environment.

BioGeometry®
BioGeometry is a new field of science that uses specially designed shapes, color, sound, motion and wave configuration, to induce harmony into

biological subtle energy systems. The cornerstone of BioGeometry is the One Harmonizing Subtle Energy Quality (BG3) at the center of the natural forming process.

The term BioGeometry is a proprietary label that was coined by Dr. Ibrahim Karim. It is composed of the roots: Geo = Earth, Metry = measurement, Bio=life, Geometry = Earth measurement (as in land surveys). BioGeometry = measurement of the life energy of the earth (including all life systems within it).

The generic use of the term BioGeometry to describe the geometric or mathematical patterns in many fields without referring to the harmonizing source in the natural forming process (BG3), which is the central criterion of BioGeometry, is illegal as it infringes on intellectual & property rights.

BioGeometry Color Balancing

This is a method of placing complementary colors in specific spots in the periphery of a space to create virtual subtle energy axis that are adjusted to specific angles to create BG3 in the area.

BioGeometry Multiple Lambdoma

This is a table based on multiple levels of *multiplication and division* (as used in musical harmonics) of the numbers of the *BG3 series*. It is, in a way, similar to the Pythagorean Lambdoma used by Hans Kayser to convert proportions to musical notes, but in this case it is taken to several levels of calculation. The tables are dynamic in such a way that they can be tailored to fixed functions or numbers in the design.

BioGeometry Multiple Modulor

This is a table based on *multiple levels of multiplication* of the numbers of the BG3 Series. The tables are dynamic in such a way that they can be tailored to fixed functions or numbers in the design (The word Modulor was first used by the Swiss architect Le Corbusier as the name for his dimensioning scale based on the Golden Proportion).

BioGeometry Qualitative Scaling

All objects interact with the surrounding waves. As an antenna tends to interact through resonance with electromagnetic wavelengths equal to its dimensions, so will a pole of any material interact with longitudinal waves (scalar, torsion …etc.) producing concentric rings of *BG3* energy quality with

a radius equal to its height and multiples of it. This is similar to the concentric circles formed when a stone is dropped in water. Likewise all shapes produce this *BG3* phenomenon in their environments. This phenomenon can be used to achieve harmony in the design of all types of building and town planning.

If the *BG Harmonic System* is applied in the dimensioning of the objects, a spreading of the *BG3* quality occurs, filling the space between the concentric rings covering the whole area.

BioGeometry Qualitative Harmonic System

This Harmonic System is a purely qualitative system based on the *BG3 Series* to produce a qualitative resonant system of numbers, proportions and angles in the form of dynamic dimensioning harmonic tables (in *Modulor* and *Lambdoma* forms) to produce designs that manifest the *One Energy Quality (BG3)*. It plays an important part in the Design Principles of BioGeometry that are applied in architecture and all other forms of design. Unlike the *Pythagorean Harmonics* where quality is derived from quantity, the *BioGeometry Harmonics* is quantity derived from quality.

BioGeometry Qualitative Series (BG3 Series)

This is a numerical series that starts with the number 16 as the first number that manifests the *BG3* subtle energy quality and continues with numbers that have no quantitative mathematical relationships. All numbers of this series manifest *BG3* and as such are in a qualitative relationship where they are all in resonance with each other. These numbers are used, among other things, to form the *Modulor and Lambdoma* in the *BioGeometry Qualitative Harmonic System*.

BioGeometry Radiesthesia

The name given to the modern Egyptian school of scientific Radiesthesia established and developed by Dr. Ibrahim Karim. This approach integrates and advances the work of the earlier French and German scientific radiesthesists in both its knowledge base and through its many practical applications with *Pythagorean Harmonics* and sacred architecture, to produce a system applicable in BioGeometry. This system is mainly tailored to the detection and creation of the *BG3* components, and the harmonizing of the earth energy grids.

BioNumerals
These are numbers that are in resonance with biological functions. They are applied to certain parts of *BioSignatures* (e.g. vertebrae) that incorporate the qualitative properties of numbers in the number of repeated elements of the pattern. They can also be used in design proportions to serve certain functions.

BioSignatures®
BioSignatures are a set of linear diagrams that enter into resonance with the patterns of energy flow in the body organs. They are conceptually similar to the meridians of Chinese acupuncture, except that BioSignatures relate to the shape of the organ, while the meridians are related to the overall shape of the body. The organ subtle energy patterns are accessed through BioSignatures placed externally in the body's energy fields to create connection through Resonance of Shape.

The term 'BioSignatures' was coined by Dr. Ibrahim Karim in the 1970s. The set of BioSignatures are registered and any unauthorized use is illegal as it infringes on intellectual & property rights.

Carrier Wave
Refers to the capacity of waves to carry information.

Compression Waves
Refers to waves resulting from a mechanical effect such as those of sound.

Consciousness
Consciousness is the general abstract collective attribute within energy that enables the data banks of living energy systems to create an awareness of the information within the vibratory ranges of its sensory apparatus.

Curry Lines
A subtle energy grid structure on the earth discovered by Dr. Whitmann and Dr. Manfred Curry. It flows from NE to SW and NW to SE and its lines have a regular pattern approximately 3.5m. apart. The vortices at its intersections can be either beneficial or harmful.

Dowsing
An intuitive skill used for underground water detection, finding hidden or lost

objects, mineral resources and diagnosing illness. It is based on a psychic ability that involves a dialogue with the subconscious, which can be 'programmed' (such as in driving or mastering sports) to detect specific subtle energy effects. *This form is not to be confused with a similar method, based on an ancient scientific knowledge used for the detection of water, gold, and sacred power spots.*

Earth Energy Gridlines
Is a theoretical geophysical phenomenon described primarily by the German authors Manfred Curry and Ernst Hartmann. They both describe a force field that supposedly covers the earth at regular intervals. Placing people or other living things in certain spots of the earth radiation knots is believed to be beneficial or harmful depending on radiation flow direction.

Earth Radiation
The earth is filled with minerals, metals, crystals, gems, lava, water, and many powerful elements that act together to produce energy. This energy directly affects everything that lives on our planet. On Earth, there are thousands of points of high energy called vortices that are joined by energy lines called Ley Lines. There are also several types of square grids of energy covering the earth's surface (Hartmann, Curry, Benker and others).

Electromagnetic Wave
A wave of energy with a frequency within the electromagnetic spectrum, generated by the periodic fluctuation of an electromagnetic field resulting from the acceleration or oscillation of an electric charge. Electromagnetic waves can be reflected, refracted, and polarized, and exhibit interference and diffraction effects. They move at the speed of light. They are referred to as 'transversal waves' because the motion of the constituents is perpendicular to the direction of motion of the wave.

Electrosmog
This is a layman's term for the proliferation of electromagnetic radiation in the environment. The resulting stress on living systems is not only due to the electromagnetic waves, but also to the resulting longitudinal waves that cover larger areas of the environment.

BioGeometry Energy Key (see Appendix: The BioGeometry Design

Language)
This is a model for energy quality analysis developed in BioGeometry.

Formed BG3 Numbers
Numbers that do not manifest the *BG3* subtle energy quality can be arranged (as similar objects or dots) in certain patterns to produce that quality.

Geometrical Alchemy
This term refers to the use of geometric design for the creation of a vibrational quality of the *Higher Harmonic of Gold* that is usually present in the spiritual energy quality, which is measured as *BG3*.

Geometry of the Planes
There are certain geometrical shapes that have a resonant relationship with a certain plane of nature. These shapes can be used for measurement, fine-tuning, emission, and interaction with the specific plane (e.g. sphere/physical, pointed cone facing downward/vitality, domes and pyramids/emotional or astral, etc.). There are special instruments in BioGeometry that have been developed for research in the different planes.

Geopathic Stress
Patterns of natural earth vibrations and energetic emissions that are harmful to living beings. They are often associated with underground water flows, faults in rock structures, and certain types of soils.

Godhead
This is a term used to denote the unperceived omnipresent Divine Essence of the Creator in the primordial ever-present state beyond time and space. It cannot be described; as on that level every attribute and its opposite have not been differentiated and are equal. What we refer to as God, Divine Names or Attributes are the manifestations of the Godhead within time and space.

Harmonics
Based on the resonance of strings, it is the science of proportional relationship of everything in the universe as replicated in the numbers and proportions of musical notes. Pythagoras brought this science from Ancient Egypt to Greece in the 4th century BC. It resurfaced with Kepler, Von Thymus, Chaldni, Newton and found its modern rebirth in the fifties with

Hans Kayser.

Hartmann Grid Lines
A subtle energy grid structure across the earth discovered by Dr. Ernst Hartmann and thought to have a relationship to the magnetic North pole. The Grid Lines run North-South and East-West approximately 7 feet apart. The width can increase during the full moon, during high sunspot activity, and certain weather conditions. These lines, like the Curry lines, are affected by electromagnetic radiation.

Higher Harmonic of Gold
This is a harmonizing subtle energy quality on a higher spiritual dimension that is in resonance with physical gold. It is one of the components of the *BG3 Subtle Energy Quality*.

Higher Harmonic of Ultraviolet
This is a similar quality as the ultraviolet at dawn found on a higher vibratory level. It has a calming cleansing property and is in resonance with the archetypal laws of nature and the angelic dimension. It is one of the components of the *BG3 Subtle Energy Quality*.

Higher Planes of Waves
This is a model that places the different planes of nature in relation to waves as moving on planes at different angles between the classic two orthogonal planes of motion of the wave. This concept has been derived through measurements on wave cross-sections. It basically shows how the higher dimensions are entwined within the orthogonal wave motion of our dimension. They are probably of longitudinal nature entwined within any type of orthogonal wave planes of motion.

Horizontal Magnetic-Like Wave Component
Electromagnetic waves usually move along two orthogonal planes (one perpendicular to the other). The magnetic/horizontal plane of motion of a wave moves at a right angle to the electric/vertical plane of motion. This component is beneficent to the human biological system. The horizontal and vertical denomination is used to show their orthogonal configuration to each other as they can also be rotating around the central axis.

Horizontal Negative Green
This term refers to *Negative Green*, the powerful penetrating energy discovered by French researchers Chaumery and de Belizal. It has both beneficial and detrimental effects in relation to the *Horizontal* and *Vertical Negative Green wave components* respectively. *Negative Green* also contains as a component the critically important spiritual carrier wave essential to spiritual work labeled 'Omega' by Enel. In the BioGeometry research of Dr. Karim, it is one of the main components of the *BG3* quality in spiritual energy fields. It is at the core of all energy centers in the body and power spots in nature. Pyramids and hemispheres produce this vibration along their central axis. In ancient sacred buildings however, only the horizontal components of this energy are found; the vertical components, which are the harmful parts of this energy, are usually cancelled through architectural solutions.

Interface
An interface is a certain configuration of the boundary between two things. We have two levels of boundaries: The first and simple boundary level is what we find whenever two surfaces of different materials touch. The other is this special configuration of the boundary in which each part flows into the other. In topography, for example, a mountain rising into the sky or a peninsula going into the sea, or a bay, are such interfaces. It is one of the Design Principles of BioGeometry.

Left-Brain Perception
Refers to models of perception typical of the left cerebral hemisphere, which operates in analytical, logical, and linear modes of thought.

Ley Lines
A Ley line refers to any type of *BG3* path connecting sacred spots. Because of the spiritual energy quality of the path they were used for many kinds of sacred activities related to the sacred nature of the power spots they connected. They were used for pilgrimage, funeral, and other sacred rituals.

Longitudinal Waves
Sound, Scalar and Torsion waves are compression waves of variable speed and are referred to as longitudinal waves because the motion of the constituents is in the same direction as the motion of the wave.

Mental Radiesthesia
This form of Radiesthesia involves asking mental questions and receiving guidance from the movement of the pendulum. It involves a dialogue with the different levels of the unconscious. It is the common method of Radiesthesia in Europe and America, also known as dowsing, but is not to be confused with scientific, physical and BioGeometry® Radiesthesia.

NTR
The Ancient Egyptians called the nature powers 'NTRs', from which the word nature is derived, (pronounced NeTeR). These 'intelligent nature powers' are in a way similar to our modern concept of angels.

Octave
An octave is the distance between two notes which resonate together, such as a Do(C) and another higher or lower Do(C). A string will always resonate mainly with another string double, or half its length (there are also other secondary harmonic resonances with other ratios). In a broader sense of dimensions or levels it refers to a frequency band. For example, a physical octave, an etheric octave and so on that is analogous to octaves of notes on a piano keyboard.

Perceived Reality
This is the reality of the outside world we perceive through the vibratory information that is received by our senses and produced and projected by our brains. The senses interact with very limited vibratory ranges from the total vibratory range of *Absolute Reality*.

Physical Radiesthesia
Physical Radiesthesia is the science of using the vibrational fields of the human body to access information about other objects of animate or inanimate nature by establishing resonance with their energy fields, using specially calibrated instruments and a scale of qualitative measurement to decode this information.

Researchers like Chaumery, Belizal, Turenne, Voillaume, Mermet, Enel and Lachovsky were among the pioneers in France, with Baehr, Hartmann, Wittmann, Schneider and others in Germany. The science of Physical Radiesthesia (sensitivity to radiation) or 'Microvibrational Physics' as it was called by Leon de Chaumery and Antoine de Belizal. They developed many

aspects of their science, especially the ‘Energy of Shape’, through research of the geometrical shapes used in Ancient Egypt. In Germany Schneider developed a radiesthesic detection instrument based on wave theories of Lecher. It is known as the Lecher Antenna. The latest scientific Lecher antennas are manufactured by H3 Luedeling in Germany and the ACMOS in France. Dr. Karim combined the French and German scientific schools with the science of Harmonics to obtain the main building blocks on which Egyptian Radiesthesia and ultimately BioGeometry were based. A new system of physical Radiesthesia instruments has been developed to serve the purposes of BioGeometry.

Physics of Quality®

The label *Physics of Quality* coined by Dr I. Karim refers to a new field of science that deals with the study and application of the common abstract essential qualities behind the senses, which produce our selectively limited perceived reality from the totality of the existing vibratory ranges. There are different laws that govern our perception of sound, color, shape… etc. On the qualitative level however, there are universal laws that govern everything in the absolute reality, including all those seemingly different sense perceptions that show their underlying unity. This new field of science is a synergetic development based on key concepts from *BioGeometry Qualitative Harmonics, Pythagorean Harmonics*, subtle energy research, cognitive sciences and Physical Radiesthesia, to study the subtle qualitative effects on the subtle energy level of living energy systems. It uses universal qualitative scales of color, sound, angles, etc. in their resonant capacity with the universal subtle energy qualities that are present in all vibratory ranges. The Physics of Quality uses the laws of a specific range (e.g. color or sound) in a universal application to all other ranges resulting in such concepts as: *resonance of color, resonance of shape*, color of sound, sound of color, sound of shape and so on. The laws of harmonic resonance on which the Physics of Quality is based extend its range of application from zero to infinity, making it a truly universal field of science with an unlimited range of information exchange. The Physics of Quality can be regarded as an extension of the existing worldview of physics to incorporate subtle qualitative energy relationships between different energy systems.

Pythagorean Harmonics

The Pythagorean Harmonics System which emerged from the sciences of the Ancient Egyptian temples is a qualitative harmonic resonance system based on mathematical ratios derived from the physics of musical strings, as expressed on the monochord. The Pythagorean harmonics is *Quality derived from Quantity, while the BioGeometry Harmonics by contrast is Quantity derived from Quality.* (see BioGeometry Harmonics)

Qualitative Scales of Measurement

The sensory perception of color, sound, smell, and touch is based on qualitative criteria of more importance than the quantitative aspects. Although these qualities manifest in different forms with each sense, they are based on the same set of subtle energy effects on the nervous system that we can regard as the abstract universal qualities at the core of each sense. We can then use color, sound, touch and so on, as a qualitative scale to express the abstract transcendental qualities beyond their respective ranges in all vibratory ranges, whether perceived or not. In this way, everything in the universe can be categorized according to those abstract transcendental universal qualities. They thus become a scale of qualitative measurement. The categorization of everything in nature according to certain qualities is a core concept in the ancient sciences and traditions.

Qualitative

The type of interaction or effect between objects, which includes an exchange of information on a subtle energy level.

Quantitative

It is the measurable quantifiable criteria of an object.

Radiesthesia

Is a Latin term meaning sensitivity to radiation. It is the science and art of detecting the vibratory qualities of radiation, most of which are beyond the detection capability of modern science. This subtle energy quality can only be detected by its effect on the observer. The term Radiesthesia is essentially equivalent to the more common North American term ‘dowsing’. In BioGeometry®, we use the term ‘detecting’. Mermet originally defined the term as sensitivity to radiations, living or inert.

Resonance

A phenomenon in which Qualitative effects that are not restricted to any vibratory ranges; repeat themselves in all vibratory ranges from zero to infinity. In musical string instruments a string will enter into resonance with any other string half or double its length giving different octaves of the same note. Any object has a certain natural or resonant frequency. When any two objects with similar resonant frequencies are in close proximity or connected in any way they will begin to resonate together and mutually influence each other. Thus they become a copy of each other on the subtle energy quality level and enter into a form of information exchange. The term ‘sympathetic vibrations’ is often used to describe resonance.

Resonance of Color

Resonance produces repetitive qualitative relationships that are referred to as octaves in music (sound). In the the Physics of Quality we found that these laws of sound, that apply universally to all vibratory ranges, have similar and interchangeable applications in colors, shapes and so on.

Resonance of Shape

In the Physics of Quality the laws of sound are applied universally to all other vibratory ranges. Resonance produces respective qualitative relationships that are referred to as octaves. In this sense similar colors, angles or shapes enter into resonance. This is a very important concept in understanding many subtle energy relationships. In the old schools of herbal medicine, there exists a relationship of shape between the herbal remedy and the organ it treats. This is found in Ancient Architecture where stones are carved in plant shapes. There is also a resonant relationship between the ears and the kidneys in the body.

Right-Brain Perception

Refers to models of perception typical of the right cerebral hemisphere, associated with spatial, intuitive, artistic, symbolic, and non-linear thought.

Scalar Waves

These are non-electromagnetic longitudinal compression waves resulting from the effect of moving currents in the environment. They can move at speeds slower or faster than light. Like other types of compression waves, they are affected by shapes in a way similar to the applications of acoustics, aerodynamics and hydraulics. In this sense they play a major role in energy

quality and transmission in architecture.

Scalar Electric Waves

These are a special form of longitudinal waves produced by two electromagnetic waves of the same frequency, but out of phase so that the amplitudes subtract and cancel each other. The result is a transformation of energy back into a scalar wave. In the beginning of the last century, Nikola Tesla performed many experiments with scalar waves for the wireless transmission of electricity at 1.5 times the speed of light. Other properties such as the reaction of the receiver to the transmitter, free energy with an over-unity-effect of about 3 and not stopped by a Faraday cage, differentiate it from conventional electricity.

Spiritual Energy quality

With this term we refer to the effect of a higher spiritual principle on the quality of energy within the time and space of our manifested reality. It is a special quality of energy that we feel in sacred power spots or during deep prayer, a sort of connection to another dimension. It transcends our time and space perception, and cannot be perceived or accessed directly. This energy quality can be detected in BioGeometry through its *BG3* components.

Subtle Energy

This is a general term denoting an energy level that cannot be measured by any of our modern instruments. It can only be detected through its qualitative effects on others. It is usually connected to longitudinal compression waves.

The One Harmonizing Subtle Energy Quality

There is an energy quality that governs the harmonious evolution of the myriad of forms of nature. It is the *Centering* harmonizing quality at the core of the forming process through its manifestations in the endless series of numbers, angles, and proportions in the natural forming process. That quality is what we discovered in BioGeometry and labeled *The One Harmonizing Subtle Energy Quality*. This transcendental multidimensional harmonizing energy quality is found in the energetic centers of all shapes and living energy systems. It is through the study of this energy quality that we have been able to identify and consequently reproduce its major components: the *BG3* Energy Qualities.

Torsion

Torsion is a universal force resulting from the effect of the spin of elementary particles, such as electrons and protons, on the environment, causing longitudinal compression waves on a subtle energy level. The energy of shape in BioGeometry produce a qualitative effect on the higher dimensions of Torsion Waves.

Transversal Waves

Electromagnetic waves are referred to as transversal because the motion within the wave is perpendicular to the direction of propagation.

Vertical Electric-Like Wave Component

The electric/vertical plane of motion of a wave moves at a right angle to the magnetic/horizontal plane of motion. This component is harmful to the human biological system. The application of BioGeometry minimizes the body's resonance with the electrical/ vertical to promote the health of biological systems.

Reference

Radiesthesia in my Life

1) The books included the works of Chaumery and de Bélizal, Turenne and others (see Bibliography). Page 14
2) I had visited Aemillius Muller (see Bibliography) in Wintertour (near Zurich) in the sixties. He was over eighty at the time. He introduced me to his colour system and I acquired from him a 720 colour system, all painted by hand. Page 15
3) Enel, Blanche Merz, Mettler and Cardinaux (see Bibliography). Page 17

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4) Trademarks, patents, intellectual property. Page 20
5) Meyl, Konstantin. Skalarwellentechnik, Mit Auszügen aus dem dritten Teil zur Elektromagnetischen Umweltverträglichkeit (Umdruck zum informationstechnischen Seminar) und Dokumentation Für das Demonstrations-Set zur Übertragung elektrischer Skalarwellen Villingen-Schwenningen 2001 and English version of book Scalar waves. Page 28
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Students' Testimonials

- *"Stunning - I couldn't have imagined that the wisdom would be this cohesive and literally be the foundation of life itself… This course was Life-Changing, a must - a beginning to a new orientation of life."* K. R., Medical, Doctor.

- *"This is one of the deepest bodies of work that I have encountered thus far in energy/resonance work. It is very powerful and quickly effective. Great Tool to have in your Tool Box."* C. D., Registered Dental Hygienist, Energy Worker.

- *"This course moves well beyond the simple channeling and manipulation of energy for healing, etc. We received the actual physical forms that can anchor the positive energy frequencies across dimensions."* K. T., College Professor in Tokyo Japan, Linguist, Designer, Meditation Teacher, Hypnotherapist.

- *This course is "A combination of ancient understanding w/modern day research and application to further understand a higher form of physics."* L. W., Farmer, Sound/Peace Chamber builder.

- *"It's the real Hogwarts. You think I'm kidding. Who else is teaching people to pay attention to energy, shape, form and function in such a way that an "everyday" kind of person can get it? Dumbledore lives!!!"* V. P. H., Senior Instructor with the Monroe Institute.

- *"This training provides a foundation to all healing arts and would only enhance what you are already doing. It has brought a quality of peace and balance in my life that was not there before. It's also very exciting to know there is much more to discover as our consciousness increases and the planet comes more into balance - Having a tool to bring balance and harmony to life has been a life long desire - Thank You!"* J. A. P., Wellness Consultant.

- *"This training gave me peace, joy, and increased connection to all life - it has provided a way for me to understand what makes all things work - that alone provides access to listening at another level. I have always said I want*

to be profoundly related and this has provided that for me." J. A. P.

- *"BioGeometry® has deepened my awareness of the way Nature creates and has given me practical tools to be in alignment with health, harmony, love, and service. With so much need on Earth now, we are blessed to have the truth and efficiency of BioGeometry."* A. A., Educational Kinesiologist.

- *"This workshop demonstrated how Sacred Geometry forms actually work and a practical and powerful healing technique. Ancient healing technique being brought back to consciousness."* A. H., Soul Growth Psychology Therapist.

- *"Powerful and Easy to apply techniques for enhancing the quality of the environment, through the use of vibrational energy from color and shapes."* L. W., Energy Medicine Therapist and Feng Shui Consultant.

- *"If I tried to describe this seminar to another person then. They won't believe it - it's too fantastic."* R. C.

- *"This is the NATURAL technology and science that supports, nourishes, renews, refreshes and regenerates all living things."* J. McB., Massage Therapist and Registered Nurse.

- *"BioGeometry® has a clarity and depth I wanted to add to my work with spaces, nature and design."* M. C, Professional Dowser, Labyrinth Builder, and Artist.

- *"A teaching of vibrational dowsing (more scientific dowsing) that uses our connection with Nature and the forms found in Nature to bring balance to our personal lives, our environment, our communities, and our planet. Very practical tools for transformation."* M. C.

- *"A challenging rewarding educational, enlightening, eye-opening GIFT of an experience that will allow for humankind to live Healthy and in Harmony with the world (universe) that we live in."* L. P., Cranio-Sacral Therapist, Esoteric Energy Work.

- *"Entraining going into resonance with all levels of creation, is a new understanding for Westerners. BioGeometry® gives a systematic way for*

people to develop the "skill" with measurable feedback. Although this is the beginning level, it brought a depth and richness to my understanding of the universe, the Divine and the "other" dimensions. I also like [this form of] Dowsing that is 'vibrational' rather than intentional." M. J., Human Resource Director.

- *"BioGeometry® reveals core principles of life and our world that underlie and form foundations for spiritual traditions everywhere. One can test, detect, verify, and apply qualities of specific energies."* C. A. S., Landscape Architect, Horticultural Consultant.

- *"BioGeometry® is a language of energy which goes beyond individual or cultural understanding. It accesses the Source of energy that vibrates through all of creation and so is deeply resonant with all that we are. This quality makes it universal and easily available to those who learn the keys to accessing energy using BioGeometry® [so that one can] live in balance and harmony and come more fully into one's wholeness."* J. S., Artist.

- *"Fantastic… You will get the knowledge and experience you have been looking for all your life!"* D. R., Seeker.

- *"EXCELLENT… There are obviously some forces involved that are not being taught in Physics classes! I know this for a fact since I majored in Physics in College!"* R. A., Computer Programmer, Web Designer, Accountant.

- *"A scientific approach to bring people to their centers which balances their emotions, mental consciousness, spirituality and sometimes even their physical bodies."* R. A.

- *"I thought the training was wonderful, the information presented very logically and sometimes with humor, which I love! This information combines science and intuition, the physical and the non-physical, and allows one to verify and measure unseen energies."* E. H., Quality Control Supervisor.

- *"An opportunity to expand awareness of important on-going work in the scientific-spiritual development of esoteric universal principles."* L.G.

- *"The workshop integrates the action of Egyptian Energy Work along with an*

understanding of the physics/spiritual aspects behind an incredible modality of healing. The material also fills in a lot of blanks on why other modalities of healing (i.e. Feng Shui) work. Absolutely, positively can't wait [for further BioGeometry® training opportunities]." R. E., Feng Shui and Space Clearing Specialist.

- "*New openings to understanding the whys and wherefores of how the traditional, ancient Mystery Schools aligned with Spirit.*" R. E.

- "*The first complete description of what is Energy, how it works, and how to apply it directly, immediately, and with a VERY high level of integrity and efficacy toward ANY purpose.*" N. C, Energy Worker/Healer.

- "*Newfound understanding of basic multidimensional harmonics of shape, color, sound, etc., and ways to objectively access & relate different aspects & levels of the universal spectrum for dramatically and immediately improving the quality of life for myself & for others.*" N. C.

- "*What a Wealth of Knowledge! Great Tools, Greater connections and understanding of the Divine.. !*" C. S. H.

- "*Your work is the most important practical contribution I have seen for the salvation of the environment and humanity. To me it is a Copernican revolution in the making.*" A. C, M.Div., L.M.T., Pranic Healing, Pranic Feng Shui, GeoHarmonics.

About The Author

Dr. Ibrahim Karim (PhD, Dr. Sc.) is a graduate of the prestigious Federal Institute of Technology (ETH), Zurich, Switzerland. Founder of the qualitative science of BioGeometry & the new Architecture and industrial design movement that uses the subtle energy effect of geometrical shapes to induce harmony in our modern technological or natural environments.

He currently teaches at several universities and supervises numerous postgraduate studies on the applications of the science of BioGeometry. Dr. Karim is recognized and honored by several institutes for his work in the enviroment and was chosen as man of the year by the Swiss magazine "Anzeiger" in 2005 for his success in reducing the effect of Electrosmog in several regions in Switzerland. These projects were done in collaboration with the Swiss Mediation Authority for Telecommunication & Environment, Swisscom, the main cellular provider and the Local Governments. The results received wide media acclaim and were officially documented and featured in several documentaries on the Swiss National Television.

For many years Dr. Karim held several advisory positions in Egypt: to the Ministers of Health, Culture, Tourism, and Scientific Research, where he headed a research unit at the National Research Center to study the effect of geometric shapes on the life functions of micro-organisms after the acknowledgment of success and patenting of his research.

Dr. Karim is a respected and renowned figure in the Middle East through the media exposure of his work. He hosted his own show and is a popular guest in many talk shows on several television channels.

Thanks to the wide-spread interest and the dedication of highly qualified instructors, the science of BioGeometry is spreading all over the world. Besides its role in restoring harmony in the environment, BioGeometry has opened new doors of understanding Ancient Egypt of which the new energy concepts of the great pyramid are only the beginning.

Books in Preparation

The BioGeometry Design Manual
Design principles for architects and industrial designers to introduce harmony in the environment.

The Physics of Quality: BioGeometry Beyond Subtle Energy
Reducing environmental stress through harmony on the higher dimensions of waves on emotional, mental and spiritual planes.
Volume 1: The BioGeometry Multidimensional Wave Model.
Volume 2: BioGeometry Scientific Radiesthesia, based on the Physics of quality

Living with Electromagnetic Radiation
BioGeometry Solutions to protect from the health hazards of electrosmog.
Bringing electromagnetic radiation in harmony with nature.

Sacred Architecture
Subtle energy analysis of sacred architecture through Egyptian history

Subtle Energy Secrets of Sacred Ritual
Humanity's interaction with spiritual energy

Holistic Healing with BioGeometry:
Volume 1: BioSignatures
Volume 2: The qualitative effect of numbers, letters, words, sounds and so on.

Soul Energy Balance
Achieving a balanced holistic healthy life through harmony with the multidimensional planes of nature.

Time Waves
A new theory of multiple Space-Time Dimensions

The BioGeometry Law of attraction
The multidimensional physics of the law of attraction

The BioGeometrical Way: An Autobiography
An insight into the life experiences that produced BioGeometry.